

Commonwealth of Pennsylvania.

DEPARTMENT OF AGRICULTURE—BUREAU OF CHEMISTRY

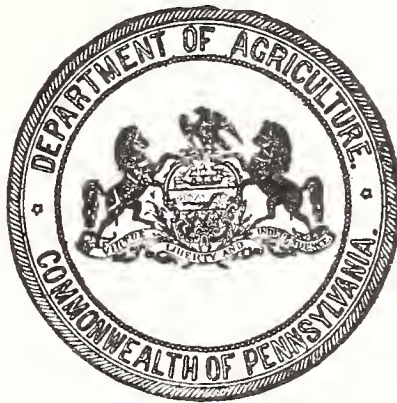
BULLETIN No. 223

COMMERCIAL FEEDING STUFFS

OF PENNSYLVANIA IN 1911

THEIR CHEMICAL AND MICROSCOPICAL EXAMINATION

JAMES W. KELLOGG, Chief Chemist



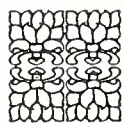
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LETTER OF TRANSMITTAL

DEPARTMENT OF AGRICULTURE
BUREAU OF CHEMISTRY

Harrisburg, March 29, 1912.

Hon. N. B. Critchfield,
Secretary of Agriculture,
Harrisburg, Pa.

Dear Sir: I have the honor to transmit herewith a report of the chemical analyses and microscopical work performed by this Bureau in the examination of samples of commercial feeding stuffs collected in the open markets of the State during 1911.

Such additional information is included in this report as was considered to be of importance.

Very respectfully,

JAMES W. KELLOGG,
Chief Chemist.



BULLETIN NO. 223.

COMMERCIAL FEEDING STUFFS

OF

PENNSYLVANIA

IN

1911

Their Chemical and Microscopical Examination

JAMES W. KELLOGG.*

INTRODUCTION.

This bulletin is a report of the work performed by the Bureau of Chemistry of the Pennsylvania Department of Agriculture in the analysis and examination of commercial feeding stuffs which were received during the year 1911. The number of official samples secured by Special Agents of the Department was 1,000, and 189 special samples were analyzed which were sent to the Bureau by manufacturers of and dealers in feeding stuffs located in Pennsylvania.

The quality of the feeding stuffs shown by the year's inspection work has steadily improved and it may be reported that the goods found for sale, as represented by the samples received, were more correctly guaranteed and cleaner in their general appearance than those which have been examined in former years. This condition

*Assisted by John S. Spicer, George L. Walters, Malcolm H. Ulman, Elmer C. Gildroy and W. Earl Huber. The microscopical work herein reported was performed by Mr. Spicer.

was especially observed in the case of molasses feeds. In many cases, however, there is still room for improvement. The number of deficiencies, except in the case of crude protein, was proportionately less than the number of deficiencies last year. No samples were received which contained rice hulls and peanut shucks, and no adulterations of wheat offals with ground corn cobs were found. There was also a less number of samples in which the composition was improperly stated and which contained weed seeds. The smaller number of violations detected during the year lessened the number of prosecutions which were ordered by the Department.

The requirements of the feeding stuff law are becoming better understood by those who deal in this commodity, and consequently the guarantees are more truly and correctly given on the sacks or attached cards. The principal violations found during the year have been false guarantees for crude protein and crude fat, an excessive amount of crude fiber where oat hulls and flax plant refuse were used and where weed seeds were used in the composition. The presence of weed seeds in feeding stuffs is largely due to the use of grain screenings from which these seeds have not been separated. Quite a number of samples were received in which weed seeds were found in varying amounts, as will be noted in the table.

A large proportion of the Dairy and Stock Feeds found upon the market to-day are composed of such by-products as ground and bolted grain screenings, flax plant refuse, oat hulls, oat middlings, oat clippings and cottonseed hulls, which are fortified with or have added thereto by-products rather high in crude portein such as, linseed meal, cottonseed meal, distillers' grains, brewers' grains, malt sprouts, gluten feed and wheat offals.

We have received many inquiries in regard to the feeding qualities and money values of such feeding stuffs, but we are not in a position to answer these inquiries satisfactorily for the reason that it is not the policy of this Department to recommend or endeavor to discredit any of the several brands of feeding stuffs which are offered for sale, unless, of course, a brand was being sold in direct violation of the law. In this case we would use every possible means to prevent the sale of such feeds.

The question as to whether or not a brand of feeding stuff composed of such or similar ingredients as are mentioned above, has a certain feeding value or gives a proper return for the money invested, is a question which every dairyman or stock breeder must decide for himself. The main facts to be considered are, the requirements of the stock to be fed, the amount of nutriment required, the price of the brands of feeding stuffs offered for sale, the value of the ingredients

in these brands as compared with the by-products and whole grains which can be obtained, the cost of mixing and the cost of transportation.

The price, composition and digestibility of such by-products as are used in the compounding of dairy and stock feeds, which are low in digestible nutriment, can be ascertained and compared with other by-products giving as much or more digestible material. The analyses and the digestibility of a large number of by-products have been published from time to time in bulletins and books on the subject of stock feeding. Dairy men and stock breeders, after a careful study of this available data, ought to be able to decide for themselves whether or not they can afford to purchase ready mixed feeds or procure the ingredients separately and do their own mixing according to their requirements and the material at hand.

The usual number of requests for bulletins, copies of the law, and inquiries concerning feeding rations and nutritive ratios, were received and as far as possible these requests were granted and all inquiries were answered.

DEFINITIONS.

An attempt is being made by those in charge of the enforcement of the feeding stuff laws to bring about some uniformity in the terms for the many products used in the manufacture of feeding stuffs. The following are the definitions of the terms adopted by the Association of Feed Control Officials of the United States, in meeting at Columbus, Ohio, November 17 and 18, 1911.

MEAL is the clean, sound, ground product of the entire grain, cereal or seed which it purports to represent; Provided, that the following meals, qualified by their descriptive names, are to be known as, viz: **CORN GERM MEAL** is a product in the manufacture of starch, glucose and other corn products and is the germ layer from which a part of the corn oil has been extracted. **LINSEED MEAL** is the ground residue after extraction of part of the oil from ground flax seed.

GRITS are the hard flinty portions of Indian corn without hulls and germ.

HOMINY MEAL, **HOMINY FEED**, or **HOMINY CHOP** is a mixture of the bran coating, the germ and a part of the starchy portion of the corn kernel.

CORN FEED MEAL is the sifting obtained in the manufacture of cracked corn and table meal made from the whole grain.

CORN BRAN is the outer coating of the corn kernel.

WHEAT BRAN is the coarse outer coatings of the wheat berry.

SHORTS, or STANDARD MIDDLINGS are the fine particles of the outer and the inner bran separated from bran and white middlings.

SHIPSTUFF, or WHEAT MIXED FEED is a mixture of the products other than the flour obtained from the milling of the wheat berry.

RED DOG is a low grade wheat flour containing the finer particles of bran.

OAT GROATS are the kernels of the oat berry with the hulls removed.

OAT SHORTS are the covering of the oat grain lying immediately inside the hull, being a fuzzy material carrying with it considerable portions of the fine floury part of the groat obtained in the milling of rolled oats.

OAT MIDDLINGS are the floury portion of the groat obtained in the milling of rolled oats.

OAT HULLS are the outer chaffy coverings of the oat grain.

RICE HULLS are the outer chaffy coverings of the rice grain.

RICE BRAN is the cuticle beneath the hull.

RICE POLISH is the finely powdered material obtained in polishing the kernel.

FLAX PLANT BY-PRODUCT is that portion of the flax plant remaining after the separation of the seed, the baste fiber and a portion of the shives, and consists of flax shives, flax pods, broken and immature flax seeds and the corticle tissue of the stem.

BUCKWHEAT SHORTS, or BUCKWHEAT MIDDLINGS are that portion of the buckwheat grain immediately inside the hull after separation from the flour.

BLOOD MEAL is ground dried-blood.

MEAT SCRAP AND MEAT MEAL are the ground residues from animal tissue exclusive of hoof and bone. If they contain any considerable amount of bone, they must be designated MEAT AND BONE SCRAP, or MEAT AND BONE MEAL. If they bear a name descriptive of their kind, composition or origin, they must correspond thereto.

CRACKLINGS are the residue after partially extracting the fats and oils from the animal tissue. If they bear a name descriptive of their kind, composition or origin, they must correspond thereto.

DIGESTER TANKAGE is the residue from animal tissue exclusive of hoof and horn, specially prepared for feeding purposes by tanking under live steam, drying under high heat, and suitable grinding. If it contains any considerable amount of bone, it must be designated DIGESTER MEAT AND BONE TANKAGE.

DISTILLERS' DRIED GRAINS are the dried residue from cereals obtained in the manufacture of alcohol and distilled liquors. The product shall bear the designation indicating the cereal predominating.

BREWERS' DRIED GRAINS are the properly dried residue from cereals obtained in the manufacture of beer.

MALT SPROUTS are the sprouts of the barley grain. If the sprouts are derived from any other malted cereal, the source must be designated.

ALFALFA MEAL is the entire alfalfa hay ground, and does not contain an admixture of ground alfalfa straw or other foreign materials.

CHOP is a ground or chop feed composed of one or more different cereals or by-products thereof. If it bears a name descriptive of the kind of cereals, it must be made exclusively of the entire grains of those cereals.

SCREENINGS are the smaller imperfect grains, weed seeds and other foreign material having feeding value, separated in cleaning the grain.

The following terms were referred to the executive committee by the association for further consideration: "Oat Clippings," "White Wheat Middlings," "Gluten Meal," "Gluten Feed," and "Cottonseed Meal."

ACKNOWLEDGEMENTS.

We wish to extend our sincere thanks to the Secretary of Agriculture, Hon. N. B. Critchfield, for the many courtesies received and for the untiring interest devoted to the work of the Bureau of Chemistry.

Our thanks are also extended to our General Agent, Mr. G. G. Hutchison, to the Special Agents, to each member of the Bureau Staff, to the Manufacturers of and Dealers in feeding stuffs, and to the Trade Journals and Associations whose co-operation has assisted greatly to the success of the year's work.

ANALYSES OF SAMPLES OF FEEDING STUFFS RECEIVED FROM MANUFACTURERS AND PURCHASERS LOCATED IN PENNSYLVANIA.

The Feeding Stuff law by a special provision makes it possible for manufacturers and purchasers of feeding stuffs to have samples analyzed by this Bureau for the fee of one dollar per sample. Dur-

ing the year, 189 special samples of feeding stuffs were sent to the Bureau for analysis by residents of Pennsylvania. Analyses were made on all these samples and a report in each case made to the parties sending the same. The fees received were covered into the State Treasury in the usual manner. A number of samples were also received in which requests were made in regard to their general appearances, in which no analyses were requested. And as far as possible all these requests were complied with.

In the following table (No. I) is given the results of the analyses of these special samples together with the names of the parties from whom they were received, and the brand names of the feeding stuffs.

TABLE I.—ANALYSES OF SAMPLES OF FEEDING STUFFS RECEIVED FROM MANUFACTURERS AND PURCHASERS LOCATED IN PENNSYLVANIA.

Chief Chemist's number.	Name of Feeding Stuff.	Received From—	Crude protein.	Crude fat.	Crude fiber.
			Per ct.	Per ct.	Per ct.
F 1101	Alfalfa feed, -----	Geo. Egolf & Co., Philadelphia,	12.50	3.79	13.16
F 1102	White hominy feed, -----	C. V. Adams, Lancaster, -----	10.41	9.90	3.18
F 1103	Romeo Chick Feed, -----	G. W. Moore & Co., Moore, -----	11.50	4.23	2.83
F 1104	Buffalo gluten feed, -----	A. E. Hershey, Derry Church, --	26.88	3.82	6.90
F 1105	Quaker Dairy Molasses Feed, -----	A. E. Hershey, Derry Church, --	13.47	4.67	14.38
F 1106	Beef scraps, -----	Pittsburg Provision and Packing Co., Pittsburg.	36.91	14.73	2.73
F 1107	Beef meal, -----	Pittsburg Provision and Packing Co., Pittsburg.	32.25	22.22	2.57
F 1108	Poultry bone, -----	Pittsburg Provision and Packing Co., Pittsburg.	26.31	1.82	-----
F 1109	Dyer's Hen Feed, -----	F. H. Dyer, Lock Haven, -----	11.53	3.80	3.36
F 1110	Cottonseed meal, -----	Equity Co-Operative Exchange, Wellsboro.	40.82	9.30	7.24
F 1111	Brewers' dried grains, -----	C. R. Rosenberger, Colmar, -----	23.85	7.15	14.35
F 1112	Distillers' dried grains, -----	The Large Distilling Co., West Elizabeth.	16.35	9.00	14.68
F 1113	Cottonseed meal, -----	Leonhard Ritter, St. Marys, ---	41.10	8.30	8.11
F 1114	Cottonseed meal, -----	S. F. Peckman, Williamson, ---	42.03	7.84	7.63
F 1115	Dyer's Dry Mash for Poultry, -----	F. H. Dyer, Lock Haven, -----	19.38	5.00	7.68
F 1116	Scratch feed, -----	White Oak Milling Co., Holsopple.	11.03	3.05	3.43
F 1117	Flaxseed, -----	McIlvaine Bros., Philadelphia,--	23.78	39.66	5.88
F 1118	Gluten feed, -----	Thomas Haines & Co., Malvern, --	26.31	5.87	7.13
F 1119	Alfalfa meal, -----	Dwight E. Hamlin, Pittsburg,--	13.16	2.06	30.19
F 1120	Poultry feed, -----	J. F. Lantz, Malvern, -----	13.86	3.56	4.65
F 1121	Gluten feed "A," -----	F. S. Wertz & Co., Reading, ---	25.03	4.16	7.09
F 1122	Gluten feed "B," -----	F. S. Wertz & Co., Reading, ---	19.41	6.12	6.56
F 1123	Peanut meal, -----	John W. Duller, West Chester,--	35.38	10.30	4.92
F 1124	Peerless Molasses Cattle Feed, -----	Richardson Bros., Philadelphia,	10.51	1.46	9.97
F 1125	Peerless Molasses Horse and Mule Feed, -----	Richardson Bros., Philadelphia,	8.05	1.74	10.19
F 1126	Penn Dairy Feed, -----	Seaboard Mills, Reading, -----	10.97	4.28	5.87
F 1127	Chicken feed, -----	Edwin F. Stover, Blooming Glen.	7.91	2.33	1.69
F 1128	Cottonseed feed, -----	Jno. R. Burkholder, Lancaster,	12.41	2.76	32.35
F 1129	Flaxseed meal, -----	McIlvaine Bros., Philadelphia,--	25.12	35.47	5.75
F 1130	Puritan Mash Feed, -----	C. E. Roger, Lebanon, -----	13.72	6.05	9.87
F 1131	"Food," -----	Jersey Cereal Food Co., Cereal, --	7.41	0.63	0.85
F 1132	"Food No. 2," -----	Jersey Cereal Food Co., Cereal, --	8.16	0.74	0.66
F 1133	Primo Regulator and Renovating Powder for Horses. -----	I. L. Nailor, Harrisburg, -----	20.72	7.72	9.21
F 1134	Rye distillers' grains, -----	Hamburger Distillery, Ltd., Pittsburg.	15.47	9.51	13.97
F 1135	Distillers' dried grains, -----	Equity Co-Operative Exchange, Wellsboro.	32.57	13.92	10.92
F 1136	Chick feed, -----	Mann & Allshouse, Easton, ---	13.31	3.55	3.27
F 1137	Gluten feed, -----	H. S. Shelly, Allentown, -----	26.00	3.72	7.75
F 1138	Cottonseed meal, No. 11998, -----	M. F. Baringer, Philadelphia,--	39.88	8.78	8.97
F 1139	Distillers' dried grains, -----	Hamburger Distillery, Ltd., Pittsburg.	26.63	9.94	12.75
F 1140	Eagle 3 D Dewey's distillers' grains, -----	Equity Co-operative Exchange, Wellsboro.	31.81	14.47	12.15
F 1141	Beller's Mixed Feed, -----	J. K. Beller, Elk Lick, -----	17.75	5.48	7.85
F 1142	Wild Rose Stock Food, -----	McDonald Milling Co., McDonald.	9.63	3.85	8.02
F 1143	Peanut oil cake meal, -----	The National Farm School, Farm School.	33.94	12.58	4.71
F 1144	Buckwheat feed, -----	The National Farm School, Farm School.	21.06	5.14	7.11
F 1145	Baby Chick Feed, -----	R. S. McCague, Pittsburg, -----	9.69	3.39	3.77
F 1146	No. 1 Chop, -----	Curtin Milling Co., Curtin, -----	13.63	4.20	4.35
F 1147	No. 2 Chop, -----	Curtin Milling Co., Curtin, -----	9.13	3.55	6.00
F 1148	No. 3 Middlings, -----	Curtin Milling Co., Curtin, -----	15.69	3.23	3.37
F 1149	Gluten feed No. 10, -----	C. W. Wagar & Co., Philadelphia.	26.81	4.91	7.17
F 1150	Gluten feed "D. B. G.," -----	C. W. Wagar & Co., Philadelphia.	29.94	6.38	14.35
F 1151	Chop feed, -----	Clayton Etters, Oak Hall Station.	9.63	3.69	6.55
F 1152	No. 1 Chop, -----	E. D. Clark, Altoona, -----	13.13	3.57	6.40

TABLE I.—Continued.

Chief Chemist's number.	Name of Feeding Stuff.	Received From—	Crude protein.	Crude fat.	Crude fiber.
			Per ct.	Per ct.	Per ct.
F 1153	No. 2 Chop, -----	E. D. Clark, Altoona, -----	13.69	4.84	4.93
F 1154	Mixed Chicken feed, -----	Millard & Scureman, Kingston, -----	11.44	3.34	4.93
F 1155	Cottonseed meal, -----	J. Harry Rakestraw, Williamsport. -----	41.38	7.80	9.55
F 1156	Gluten feed, "R No. 1," ----	C. W. Wagar & Co., Philadelphia. -----	26.94	2.92	6.29
F 1157	Gluten feed, "C No. 2," ----	C. W. Wagar & Co., Philadelphia. -----	27.31	3.77	7.95
F 1158	Gluten feed, "KB No. 3," --	C. W. Wagar & Co., Philadelphia. -----	29.81	2.60	7.02
F 1159	Gluten feed, "U No. 4," ----	C. W. Wagar & Co., Philadelphia. -----	25.13	5.35	7.51
F 1160	Gluten feed, "SB," -----	C. W. Wagar & Co., Philadelphia. -----	26.69	3.45	7.77
F 1161	Chop feed, -----	Keystone Roller Mills, Macungie, -----	11.94	4.32	3.22
F 1162	Gluten feed, No. 20, -----	C. W. Wagar & Co., Philadelphia. -----	25.25	3.35	6.16
F 1163	Stock food base, -----	Pittsburg Provision and Packing Co., Pittsburg. -----	5.94	3.08	36.18
F 1164	Rye offal, -----	G. M. Rouche, Meadville, -----	30.25	8.98	3.57
F 1165	Gluten feed, -----	C. V. Adams, Lancaster, -----	26.38	3.07	6.80
F 1166	Buffalo gluten feed, -----	C. V. Adams, Lancaster, -----	27.88	3.45	5.87
F 1167	Dry mash chicken feed, ----	White Oak Milling Co., Holsopple. -----	18.25	4.95	7.06
F 1168	Chick feed, -----	White Oak Milling Co., Holsopple. -----	11.00	3.04	2.76
F 1169	Hen food, -----	Hunter & Son, Ashland, -----	11.31	3.67	4.31
F 1170	Chick food, -----	Hunter & Son, Ashland, -----	11.56	3.23	2.49
F 1171	Matchless Egg Maker, -----	Isaac Freed, Harrisburg, -----	15.81	6.29	3.68
F 1172	Little Jewel Chick Feed, -----	Isaac Freed, Harrisburg, -----	14.44	6.61	4.42
F 1173	Scratch feed, -----	Isaac Freed, Harrisburg, -----	11.50	3.69	3.22
F 1174	Cottonseed meal (ear number 15705). -----	Jonas F. Eby & Son, Lancaster. -----	40.94	8.08	9.38
F 1175	Poultry grain, -----	W. A. Weller, Athens, -----	10.06	3.25	3.56
F 1176	Gluten feed "H," -----	C. W. Wagar & Co., Philadelphia. -----	19.25	4.53	7.81
F 1177	Gluten feed "P," -----	C. W. Wagar & Co., Philadelphia. -----	26.50	2.95	6.62
F 1178	Chick feed, -----	Keystone Commercial Co., Pittsburg. -----	10.75	2.97	2.22
F 1179	Mash feed, -----	I. S. Fry, Reading, -----	17.44	7.00	6.13
F 1180	Hominy feed, -----	F. Z. Stauffer, York, -----	11.06	7.28	3.26
F 1181	McDonald feed, -----	McDonald Milling Co., McDonald. -----	8.38	3.81	8.93
F 1182	Mixed feed, -----	Blank & Gottshall, Sunbury, -----	12.25	4.88	5.22
F 1183	Flour and oats chop, -----	Blank & Gottshall, Sunbury, -----	14.69	4.22	6.53
F 1184	Hen-o-la Poultry Mash, -----	O. L. Romberger, Harrisburg, -----	12.72	3.20	3.76
F 1185	Hen-o-la Chick Feed, -----	O. L. Romberger, Harrisburg, -----	10.10	2.16	1.65
F 1186	No. 1 S. & S. Feed, -----	Godfrey Schmidheiser & Co., Philadelphia. -----	11.03	4.45	5.59
F 1187	No. 2 S. & S. Feed, -----	Godfrey Schmidheiser & Co., Philadelphia. -----	11.94	4.76	7.07
F 1188	No. 3 S. & S. Feed, -----	Godfrey Schmidheiser & Co., Philadelphia. -----	11.66	4.55	6.02
F 1189	Shredded wheat waste, -----	John W. Eshelman, Lancaster, -----	11.16	2.49	2.12
F 1190	Offal, -----	John W. Eshelman, Lancaster, -----	12.44	4.24	5.04
F 1191	John Hen Poultry Feed, ----	Keystone Commercial Co., Pittsburg. -----	10.50	2.74	2.58
F 1192	Distillers' dried grains, -----	H. E. Dooley & Son, York, -----	32.38	15.32	12.81
F 1193	Colonial Food Digester, ----	Fred H. Risley, Springville, -----	25.75	3.64	10.92
F 1194	Hemmerly's Condition Powder. -----	J. W. Hemmerly, Hazleton, -----	14.81	6.24	8.70
F 1195	Feed, -----	J. B. Parnell, Confluence, -----	13.81	5.05	4.82
F 1196	Scratching grains, -----	F. V. Perry, Scottdale, -----	10.44	3.78	3.15
F 1197	Eureka Chicken Feed, -----	Good Times Supply Co., Galtonton. -----	11.31	3.45	4.05
F 1198	Scratch feed, -----	McFarland Supply Co., Greensburg -----	9.56	3.65	2.48
F 1199	Wyoming Poultry Powder, --	The Supply Co., Moosic, -----	35.44	6.05	9.97
F 1200	Wyoming Stock Powder, ----	The Supply Co., Moosic, -----	35.44	7.02	8.93
F 1201	Alfalfa Horse Feed, -----	F. V. Perry, Scottdale, -----	13.75	4.91	6.53
F 1202	Cottonseed meal, -----	Richardson Bros., Philadelphia, -----	37.69	8.49	10.53

TABLE I.—Continued.

Chief Chemist's number.	Name of Feeding Stuff.	Received From—	Crude protein.	Crude fat.	Crude fiber.
			Per ct.	Per ct.	Per ct.
F 1203	"A" Hominy feed, -----	Miner Hilliard Milling Co., Wilkes-Barre.	11.06	6.57	4.32
F 1204	"B" Hominy feed, -----	Miner Hilliard Milling Co., Wilkes-Barre.	11.56	6.75	4.46
F 1205	"H" Hominy feed, -----	Miner Hilliard Milling Co., Wilkes-Barre.	10.28	6.70	2.97
F 1206	"M" Hominy feed, -----	Miner Hilliard Milling Co., Wilkes-Barre.	10.38	6.34	6.04
F 1207	Mixed feed, -----	Spanogle Yeager Milling Co., Lewistown.	11.35	3.82	8.70
F 1208	Nixed feed, -----	Spanogle Yeager Milling Co., Lewistown.	15.10	4.39	3.02
F 1209	Hen food, -----	Milard & Seureman, Kingston.	11.03	3.35	3.95
F 1210	Molasses, -----	M. F. Baringer, Philadelphia, ..	3.19	0.07	-----
F 1211	Gluten feed, No. 18501, ..	M. F. Baringer, Philadelphia, ..	25.25	2.51	6.86
F 1212	Alfalfa Horse & Cow Chop, ..	G. W. Moore & Co., Moore, ..	11.31	3.63	10.48
F 1213	Matchless Egg Maker,	Isaac Freed, Harrisburg,	12.69	4.89	3.57
F 1214	Developing food,	Blank & Gottshall, Sunbury,	11.56	3.28	2.27
F 1215	Cottonseed meal,	Aug. C. Wertz & Bro., Reading, Ing.	37.94	8.25	10.22
F 1216	Eshelman's Home-Made Dairy Feed.	John W. Eshelman, Lancaster,	22.50	5.66	9.83
F 1217	Prepared Meat for Poultry.	The Fritz Co., Philadelphia,	63.31	14.99	1.19
F 1218	Mixed feed,	Newlins Milling Co., Nazareth, ..	9.81	3.81	6.49
F 1219	Dry Mash Poultry Food, ..	Brooks Milling Co., Inc., Altoona.	19.94	5.56	10.07
F 1220	Chick feed,	Keystone Commercial Co., Pittsburg.	9.75	4.39	3.04
F 1221	McDonald feed,	McDonald Milling Co., McDonald.	10.50	4.84	8.16
F 1222	Brewers' dried yeast,	D. R. Worman, Philadelphia, ..	52.38	0.80	4.03
F 1223	Dandy Scratch Feed,	Strunk & Moyer, Reading,	11.81	4.53	4.31
F 1224	Antwerp Pigeon Feed,	Strunk & Moyer, Reading,	14.81	4.43	4.43
F 1225	Corn and cob meal,	Elkland Roller Mills, Elkland, ..	9.03	3.49	8.17
F 1226	Corn, oats and oat hulls, ..	Elkland Roller Mills, Elkland, ..	10.19	3.98	4.77
F 1227	Dairy feed,	Kift Milling Co., Sunbury,	17.28	5.34	9.52
F 1228	Clover Leaf Scratch Feed, ..	McDonald Milling Co., McDonald.	10.16	3.83	2.97
F 1229	Dry Mash for Poultry,	Samuel Brubaker Powder and Food Co., Lancaster.	21.19	6.19	5.75
F 1230	Brewers' dried grains,	Fuhrman & Schmidt Brewing Co., Inc., Shamokin.	25.50	7.39	14.43
F 1231	Kift's Creamery Dairy Feed, ..	Kift Milling Co., Sunbury,	21.50	5.70	10.68
F 1232	H. & S. Alfalfa Feed,	Dwight E. Hamlin, Pittsburg, ..	17.16	5.44	13.22
F 1233	Buckwheat middlings,	Dayton Milling Co., Towanda, ..	30.31	8.09	10.31
F 1234	Toepfer's Mixed Feed,	R. J. Toepfer, Tarentum,	10.38	3.67	10.60
F 1235	Meat scraps,	The Fritz Co., Philadelphia, ..	45.16	14.85	1.61
F 1236	Cottonseed meal No. 1,	E. G. Campbell, Keisters,	*	*	*
F 1237	Cottonseed meal No. 2,	E. G. Campbell, Keisters,	*	*	*
F 1238	Dry mash,	Spanogle Yeager Milling Co., Lewistown.	24.13	5.80	6.92
F 1239	B. B. Poultry Mash,	J. F. Lantz, West Chester,	13.56	3.03	4.61
F 1240	Toepfer's Mixed Feed,	R. J. Toepfer, Tarentum,	11.19	3.75	10.04
F 1241	Langdon's Scratch Grains, ..	W. H. Langdon, Altoona,	11.53	3.63	4.24
F 1242	Langdon's Poultry Mash, ..	W. H. Langdon, Altoona,	18.94	5.83	7.20
F 1243	Buckwheat bran,	Dayton Milling Co., Towanda, ..	6.50	1.35	41.63
F 1244	Diamond gluten meal,	J. F. Lantz, West Chester,	45.60	2.50	1.61
F 1245	Buckwheat feed,	Elkland Roller Mills, Elkland, ..	21.31	4.80	18.25
F 1246	John Hen Poultry Meat Mash.	Keystone Commercial Co., Pittsburg.	12.69	4.96	5.17
F 1247	Boveta cottonseed feed,	Branthoffer & Nelson, Thompsonstown.	13.13	2.75	32.03
F 1248	Stoek feed,	Seranton Flour and Grain Co., Seranton.	10.31	4.25	6.01
F 1249	Buckwheat middlings,	H. J. Klingler & Co., Butler, ..	21.06	5.12	23.76
F 1250	Buckwheat shorts,	H. J. Klingler & Co., Butler, ..	4.50	1.60	42.69
F 1251	Buckwheat feed, No. 1,	Johnson & Co., Franklin,	32.25	7.88	5.45
F 1252	Buckwheat feed, No. 2,	Johnson & Co., Franklin,	21.44	5.28	20.36
F 1253	Buckwheat middlings,	Sun Milling Co., Mansfield,	34.81	8.38	6.29
F 1254	Buckwheat middlings, "D," ..	Dayton Milling Co., Towanda, ..	24.50	5.90	15.00

*Refused to remit analysis fee. Results not reported.

TABLE I.—Concluded.

Chief Chemist's number.	Name of Feeding Stuff.	Received From—	Crude protein.	Crude fat.	Crude fiber.
F 1255	Dirigo Brand cottonseed meal.	D. W. Foust & Sons, Chambersburg.	Per ct. 41.06	Per ct. 8.09	Per ct. 8.75
F 1256	Beef scraps, -----	Quaker City Mfg. Co., Philadelphia.	52.72	11.00	0.76
F 1257	Chick feed, -----	M. E. Yost, Doylestown, -----	12.94	3.14	2.50
F 1258	Life Saving Little Chick Food.	M. E. Yost, Doylestown, -----	12.31	2.48	3.17
F 1259	Perfection Mash Feed, -----	M. E. Yost, Doylestown, -----	16.13	3.63	7.37
F 1260	F. P. C. Developing Chick Feed.	F. P. Cassel & Son, Lansdale,	12.00	3.47	2.43
F 1261	F. P. C. Standard Poultry Mash Food.	F. P. Cassel & Son, Lansdale,	17.94	5.29	8.60
F 1262	Schmucker's Dairy Feed, ----	C. E. Schmucker, Watsonstown,	30.56	6.28	12.05
F 1263	Cottonseed feed, -----	M. F. Baringer, Philadelphia, --	26.56	7.69	19.28
F 1264	Creamery Dairy Feed, -----	Kift Milling Co., Sunbury, -----	24.69	6.03	11.96
F 1265	Buckwheat middlings, -----	H. J. Klingler & Co., Butler, --	17.56	4.00	28.02
F 1266	Cottonseed meal, -----	F. E. Farabaugh, Patton, -----	41.94	9.53	6.87
F 1267	Cottonseed meal, -----	Geo. Walker, Chambersburg, --	40.44	9.13	8.90
F 1268	Buckwheat feed, -----	Dayton Milling Co., Towanda, --	18.31	4.07	20.31
F 1269	Dairy Feed, No. 1, -----	Banner Roller Mills, Elizabeth, --	17.88	5.18	14.57
F 1270	Dairy feed, No. 2, -----	Banner Roller Mills, Elizabeth, --	16.00	4.58	13.63
F 1271	O. P. linseed cake meal, ----	C. W. Wagar & Co., Philadelphia.	33.94	7.40	9.04
F 1272	Hard wheat bran, -----	Richardson Bros., Philadelphia,	16.88	5.12	10.08
F 1273	Hard wheat middlings, -----	Richardson Bros., Philadelphia,	18.75	5.53	9.33
F 1274	Soft wheat bran, -----	Richardson Bros., Philadelphia,	16.00	4.66	9.21
F 1275	Soft wheat middlings, -----	Richardson Bros., Philadelphia,	15.81	3.93	5.13
F 1276	Federal Stock Food, -----	Federal Stock Food Co., Mifflinburg.	8.94	3.02	30.47
F 1277	Federal Poultry Food, -----	Federal Stock Food Co., Mifflinburg.	6.13	1.93	18.52
F 1278	Beef scraps, -----	The Fritz Company, Philadelphia.	45.30	12.35	1.84
F 1279	Quaker Brand Scratch Feed,	The Philadelphia Seed Co., Philadelphia.	11.69	4.44	3.54
F 1280	Quaker Brand Laying Mash Feed.	The Philadelphia Seed Co., Philadelphia.	24.81	6.80	8.81
F 1281	Buckwheat middlings, -----	H. J. Klingler & Co., Butler, --	20.00	4.73	24.87
F 1282	Brewers' dried grains, No. 1,	Stegmaier Brewing Co., Wilkes-Barre.	23.75	7.23	16.91
F 1283	Cottonseed meal, -----	C. P. Yarnall, Kelton, -----	40.00	7.38	12.39
F 1284	Florida cottonseed feed, ----	M. F. Baringer, Philadelphia, --	19.88	5.96	23.26
F 1285	Cottonseed meal, -----	S. K. Chambers & Co., Westgrove.	39.88	7.04	12.67
F 1286	Brewers' dried grains, No. 2,	Stegmaier Brewing Co., Wilkes-Barre.	25.19	6.78	16.13
F 1287	Dairy Feed, -----	A. H. Cleveland, Philadelphia,	17.00	5.32	14.51
F 1288	Brewers' dried grains, No. 3,	Stegmaier Brewing Co., Wilkes-Barre.	24.81	6.74	14.72
F 1289	Dixie Brand cottonseed meal,	J. C. Harrington, Montrose, --	39.75	7.68	10.40

OFFICIAL SAMPLES OF FEEDING STUFFS OBTAINED BY SPECIAL AGENTS.

In compliance with the requirements of the feeding stuff law the Department of Agriculture sent out Special Agents to obtain samples of feeding stuffs for analysis and examination. During the year 1911 these Agents visited 327 towns and cities in 56 counties of Pennsylvania and secured 1,000 samples which were sent to the Bureau of Chemistry. All of these samples were subjected to a chemical analysis and were examined microscopically. In the following pages will be found the results obtained, together with other information including a discussion of each class of feeding stuffs received.

In the following table (No. II) the number of counties visited and the number of samples secured in each are given.

TABLE II.—COUNTIES VISITED AND NUMBER OF SAMPLES SECURED
IN EACH.

Name of County.	Number of Samples.
Adams,	1
Allegheny,	65
Armstrong,	17
Beaver,	17
Bedford,	14
Berks,	17
Blair,	30
Bradford,	25
Bucks,	22
Butler,	14
Cambria,	25
Cameron,	8
Carbon,	1
Centre,	8
Chester,	31
Clearfield,	32
Clarion,	3
Clinton,	7
Columbia,	9
Crawford,	14
Cumberland,	15
Dauphin,	10
Delaware,	14
Elk,	17
Erie,	27
Fayette,	22
Forest,	3
Huntingdon,	12
Indiana,	15
Jefferson,	11
Juniata,	5
Lackawanna,	1
Lancaster,	74
Lawrence,	16
Lebanon,	29
Lehigh,	15
Lycoming,	24
McKean,	19

TABLE II.—Concluded.

Name of County.	Number of Samples.
Mercer, -----	12
Mifflin, -----	21
Monroe, -----	1
Montgomery, -----	61
Northumberland, -----	25
Potter, -----	6
Somerset, -----	15
Susquehanna, -----	4
Tioga, -----	16
Venango, -----	21
Wayne, -----	1
Warren, -----	6
Washington, -----	34
Westmoreland, -----	55
Wyoming, -----	4
York, -----	29
Total, -----	1,000

In the following table (No. III) is shown the classification of feeding stuffs and the number of samples in each class which were received.

TABLE III.—CLASSIFICATION OF SAMPLES ANALYZED.

Name of Feeding Stuff.	Number of Samples.
Cottonseed meal, -----	53
Linseed meal, N. P., -----	4
Linseed meal, O. P., -----	55
Linseed meal with admixtures, -----	3
Corn oil meal, -----	1
Distillers' grains, -----	21
Brewers' grains, -----	25
Malt sprouts, -----	7
Gluten feed, -----	44
Hominy feed, -----	26
Corn bran, -----	13
Corn flour, -----	1
Low grade flour, -----	7
Wheat middlings, -----	59
Wheat middlings with admixtures, -----	5
Mixed feed—wheat by-products, -----	4
Wheat bran, -----	76
Rye middlings, -----	3
Mixed feed—rye by-products, -----	1
Wheat and rye offals, -----	2
Buckwheat middlings, -----	2
Buckwheat feed, -----	1
Alfalfa meal, -----	16
Beet pulp, -----	14
Proprietary dairy and stock feeds, -----	237
Proprietary horse and mule feeds, -----	38
Calf meals, -----	10
Miscellaneous feeds, -----	5
Miscellaneous chop feeds, -----	108
Proprietary poultry foods, -----	140
Animal by-products, -----	7
Condimental stock and poultry foods, -----	12
Total, -----	1,000

GUARANTEES AND DEFICIENCIES.

In the following table (No. IV) is shown the number of samples of feeding stuffs received as classified in Table No. III, together with the number of samples in each class which were guaranteed for crude protein, crude fat and crude fiber, the number which were found to be deficient in both crude protein and crude fat, the number deficient in crude protein alone and the number deficient in crude fat alone. In the preparation of this table the deficiencies reported were only those where the content of crude protein was found to be one per cent. or more below and the content of crude fat one-half of one per cent. or more below the respective guarantees for these constituents. Out of the 1,000 samples analyzed, 852 were guaranteed for crude protein and crude fat; of these, 6 or 0.70 per cent. were found to be deficient in both crude protein and crude fat; 46 or 5.40 per cent. were deficient in crude protein alone and 26 or 3.05 per cent. were deficient in crude fat alone. The total number of those deficient in crude protein was 52 or 6.10 per cent. and the total number deficient in crude fat was 32 or 3.75 per cent.

It may be fairly stated that the number of deficiencies, where the analysis was found to be slightly below their guarantees, was less than the number observed during last year.

TABLE IV.—SUMMARY OF DEFICIENCIES IN 1911.

Name of Feeding Stuffs.	Number of samples analyzed.	Number of samples guaranteed.	Deficient in protein and fat.	Deficient in protein alone.	Deficient in fat alone.
Cottonseed meal,	53	33	.....	8	2
Linseed meal, N. P.,	4	4	.....	.....	.....
Linseed meal, O. P.,	55	55	.....	2	1
Linseed meal with admixtures,	3	3	.....	.....	.....
Corn oil meal,	1	1	.....	1	.....
Distillers' grains,	21	21	.....	1	.....
Brewers' grains,	25	21	.....	.....	.....
Malt sprouts,	7	7	.....	.....	.....
Gluten feed,	44	43	1	1	4
Hominy feed,	26	26	.....	.....	2
Corn bran,	13	13	.....	.....	.....
Corn flour,	1	1	1	.....	.....
Low grade flour,	7	4	.....	.....	.....
Wheat middlings,	59	28	.....	.....	2
Wheat middlings with admixtures,	5	5	.....	.....	.....
Mixed feed—wheat by-products,	4	4	.....	.....	.....
Wheat bran,	76	51	.....	.....	1
Rye middlings,	3	3	.....	.....	1
Mixed feed—rye by-products,	1	1	.....	.....	.....
Wheat and rye offals,	2	1	.....	.....	.....

TABLE IV.—Continued.

Name of Feeding Stuffs.	Number of samples analyzed.	Number of samples guaranteed.	Deficient in protein and fat.	Deficient in protein alone.	Deficient in fat alone.
Buckwheat middlings, -----	2				
Buckwheat feed, -----	1	1	1		
Alfalfa meal, -----	16	16			
Beet pulp, -----	14	14			
Proprietary dairy and stock feeds, -----	237	237		20	3
Proprietary horse and mule feeds, -----	38	38			
Calf meals, -----	10	10	1		
Miscellaneous feeds, -----	5	2			
Miscellaneous chop feeds, -----	108	57	1	1	1
Proprietary poultry foods, -----	140	118	1	9	8
Animal by-products, -----	7	7		3	
Condimental stock and poultry foods, -----	12	7			
Total, -----	1,000	852	6	46	26

The following table (No. V) has been prepared to show the general decrease of deficiencies which have been observed during 1911, and the five years preceding. It will be noted that there has been a general decrease in the number of deficiencies during the past six years except in the case of crude protein alone which seems to remain somewhat in excess of that found in 1909 although less than in 1910. This decrease in the number of deficiencies is undoubtedly due to the fact that the feeding stuffs law is becoming better understood by the general public and the manufacturers are guaranteeing their products more correctly than was done during the first years of the enforcement of the law.

TABLE V.—DECREASE OF DEFICIENCIES.

	1906.	1907.	1908.	1909.	1910.	1911.
	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.	Per ct.
Deficient in crude protein and crude fat, -----	13.66	3.80	2.31	1.61	1.37	0.70
Deficient in crude protein alone, -----	32.37	11.95	8.00	3.70	6.09	5.40
Deficient in crude fat alone, -----	1.43	6.25	4.74	3.88	2.50	3.05
Total deficient in crude protein, -----	46.00	15.00	10.33	5.31	8.06	6.10
Total deficient in crude fat, -----	15.00	10.00	7.06	5.50	3.87	3.75

CLASSIFICATION, AVERAGE PARTIAL COMPOSITION AND RETAIL PRICE.

In the following table (No. VI) the average partial composition and retail price of the feeding stuffs analyzed during the year are shown. They are arranged in classes according to their content of crude protein, as suggested by Jordan & Jenter. The figures reported are the averages of two or more of the same brand of feeding stuffs, as will be found in Table No. VII.

TABLE VI.—AVERAGE ANALYSIS AND RETAIL PRICE.

Name of Feeding Stuff.	Protein.	Fat.	Fiber.	Price per ton.
	Per ct.	Per ct.	Per ct.	
Class 1 (30 Per Cent.-45 Per Cent. Protein).				
Cottonseed meal,	41.19	8.34	8.65	\$33 98
Linseed meal, N. P.,	37.50	2.38	8.74	41 50
Linseed meal, O. P.,	35.31	6.46	8.17	41 72
McMahn's Concentrated Protein Feed,	32.31	7.02	12.52	30 00
Class 2 (20 Per Cent.-30 Per Cent. Protein).				
Distillers' grains (largely from corn),	29.87	13.47	11.16	30 76
Buckwheat middlings,	27.94	7.46	3.61	29 00
Brewers' grains,	27.82	7.59	13.98	26 24
Laxo Cake Meal,	27.46	8.36	9.49	42 67
Unicorn Dairy Ration,	26.94	6.71	9.39	30 50
Gregson's Calf Meal,	26.75	6.42	5.55	60 00
Sugarota Calf Meal,	26.56	6.03	3.50	70 00
McMahn's Milk and Muscle Producer,	26.31	6.60	10.47	28 00
Malt sprouts,	25.50	3.04	12.07	26 21
Ubiko Union Grains,	25.36	8.32	9.26	31 19
Gluten feed,	25.13	3.96	6.71	28 43
Blue Ribbon Dairy Feed,	24.93	4.89	10.08	31 00
Blatchford's Calf Meal,	24.29	5.10	6.19	76 00
Molasses Flakes,	23.22	9.24	10.84	31 25
Husted's Molasses Feed,	21.71	5.33	8.52	27 67
Class 3 (14 Per Cent.-20 Per Cent. Protein).				
Schumacher Calf Meal,	19.58	8.59	2.76	70 00
Dry Mash (Park & Pollard Co.),	18.84	4.35	7.40	53 60
Low grade flour,	18.54	4.41	2.27	34 41
Distillers' grains (largely from rye),	18.14	9.70	13.23	30 25
Purina Chicken Chowder,	18.13	4.63	7.37	47 80
Ubiko Horse and Stock Feed,	18.07	7.07	8.11	30 25
Boveta Brand Cottonseed Hull and Meal Mixture,	17.56	3.69	28.02	25 17
Rye middlings,	17.46	3.32	4.24	28 00
Wheat middlings,	17.43	4.52	4.86	30 98
International Dairy Feed,	17.42	5.54	12.88	28 00
Sugarine Dairy Feed,	17.25	4.99	12.17	26 50
Crystaloid Dairy Feed,	17.21	4.87	12.25	23 00
Buckeye Mixed Feed,	17.05	5.23	7.84	29 20
Hammond Dairy Feed,	17.05	4.79	10.63	25 86
Badger Dairy Feed,	16.89	3.48	13.30	25 71
Mixed Feed—Wheat by-products,	16.80	4.79	6.63	26 25
Red Comb Meal Mash,	16.69	4.59	7.28	40 00
Sucrene Dairy Feed,	16.56	5.03	11.78	25 50
Wheat bran,	16.41	5.02	9.22	28 68
Mixed feed—Rye by-product,	15.81	3.75	3.85	28 00
Sugarota Dairy Feed,	15.79	5.46	14.16	26 50

TABLE VI.—Concluded.

Name of Feeding Stuff.	Protein.	Fat.	Fiber.	Price per ton.
	Per ct.	Per ct.	Per ct.	
Molac Horse Feed, -----	15.56	3.70	10.12	32 50
No. 2 White Middlings and Corn Meal, -----	15.15	4.96	4.66	35 00
Gritless Chick Food (Park & Pollard Co.), -----	15.08	4.15	2.64	51 60
Buckwheat feed, -----	14.94	3.62	19.67	27 00
Alfalfa meal, -----	14.86	2.47	29.53	30 46
International Special Molasses Feed, -----	14.69	5.74	13.23	24 33
Quaker Dairy Molasses Feed, -----	14.57	4.70	12.95	26 40
Corn oil meal, -----	14.50	9.35	5.95	28 00
Growing Feed (Park & Pollard Co.), -----	14.44	3.80	4.04	49 00
Otto Weiss Alfalfa Oats Food, -----	11.10	4.23	12.00	34 00
Class 4 (8 Per Cent.-14 Per Cent. Protein).				
Purina Mill Feed Pigeon Size, -----	13.25	3.01	2.87	50 00
Sterling Chick Feed, -----	12.88	2.95	2.09	42 00
Sucrene Alfalfa Horse and Mule Feed, -----	12.34	4.02	15.04	32 60
Chicken Feed Chick Size, -----	12.13	3.19	2.57	50 00
Queen Poultry Mash, -----	11.94	3.93	6.46	32 60
Badger Alfalfa Horse and Mule Feed, -----	11.90	3.63	9.08	32 34
Schumacher Scratching Grains, -----	11.86	4.11	3.05	40 00
Globe Scratch Feed, -----	11.82	3.38	2.95	39 00
Purina Mill Feed Scratch Size, -----	11.77	3.63	2.89	40 00
Red Ribbon Chick Food, -----	11.77	3.52	1.80	43 00
Sucrene Horse and Mule Feed, -----	11.76	3.63	10.14	27 50
Purina Mill Feed Chick Size, -----	11.63	3.79	2.69	42 20
Sterling Scratch Feed, -----	11.50	3.55	2.34	41 00
Kornalfalfa Feed, -----	11.44	3.82	11.85	34 60
Premier Scratch Feed, -----	11.40	3.76	2.46	43 33
Steinmesch Mixed Feed Hen Size, -----	11.32	3.28	2.96	49 00
Rye chops, -----	11.29	2.63	1.90	33 60
Schumacher Stock Feed, -----	11.25	4.23	9.50	28 52
Clark's Superior Hen Food, -----	11.22	3.09	2.63	35 00
Chicago Alfalfa Horse and Mule Feed, -----	11.21	3.07	8.91	29 50
Anchor Chick Feed, -----	11.16	2.83	2.16	42 60
Chick Food Invigorator, -----	11.13	3.15	2.35	48 00
Sugarota Horse Feed, -----	11.08	3.93	15.55	29 00
Hominy feed, -----	11.02	8.04	3.94	28 56
C. O. and B. Feed, -----	10.97	4.20	9.69	28 50
A. No. 1 Poultry Grains, -----	10.94	3.52	2.97	35 00
Chicken Feed Scratch Size, -----	10.91	3.63	2.50	42 00
Sterling Feed, -----	10.90	3.62	7.59	27 13
American Hen Scratching Grains, -----	10.84	3.54	2.63	41 20
Peter's Arab Horse Feed, -----	10.78	3.22	8.66	31 13
Perfection Horse Feed, -----	10.74	2.96	8.46	32 60
John-Hen Poultry Feed, -----	10.72	3.29	2.94	39 60
Sterling Stock Feed, -----	10.69	4.38	7.71	25 33
Corn bran, -----	10.48	8.78	7.42	29 23
Diamond Scratch Feed (grit), -----	10.29	3.17	2.84	34 25
Corn and oat chops, -----	10.17	4.41	4.06	29 29
Monarch Chop Feed, -----	9.60	4.91	6.88	23 90
Pioneer Stock Feed, -----	9.58	3.83	8.74	30 67
Beet pulp, -----	9.30	1.35	17.97	26 79
Premium chop, -----	9.36	3.94	7.51	25 38
Park City Chop, -----	9.35	4.94	5.62	28 60
Victor Feed, -----	9.20	4.85	8.90	27 60
Yellow P. and S. Feed, -----	9.19	4.73	6.37	27 50
Boss Feed, -----	9.07	4.54	7.87	25 00
White Diamond Feed, -----	9.05	4.29	7.21	24 50
Corn, Oats and Barley Chop (The I. G. and M. Co.), -----	9.05	4.05	8.90	28 75
Corn chops, -----	9.04	4.23	1.88	30 60
Keystone Chop Feed, -----	8.97	4.12	5.07	30 60
Pioneer Horse and Cattle Feed, -----	8.79	3.48	8.64	33 50
C. O. B. K. Chop Feed (The T. G. & M. Co.), -----	8.60	3.72	6.21	31 60
M. D. Chop Feed (The T. G. & M. Co.), -----	8.58	4.37	6.76	27 00
C. O. and B. Chop Feed (The T. G. & M. Co.), -----	8.49	3.71	5.96	29 17
Class 5 (5 Per cent.-8 Per Cent. Protein).				
Corn flour, -----	7.94	4.37	1.32	32 00

DISCUSSION OF THE ANALYTICAL RESULTS.

In order that a few remarks may be made in regard to the results obtained on the feeding stuffs examined, a short discussion of several classes is included which follows in the order of classification given in Table III. A table is also included showing the number of samples, the average analysis and the retail price observed during the year, together with the data reported on the samples secured during a number of preceding years. The results of analyses and microscopical examinations, together with the analyses and composition guaranteed, will be found in Table VII, as indicated under each class.

OIL CAKE MEALS.

COTTONSEED MEAL.

Analyses on Pages 40 to 45.

Fifty-three samples of cottonseed meal were obtained, all of which were guaranteed. The content of crude protein ranged from 38.13 per cent. to 44.94 per cent., with an average of 41.19 per cent. The crude fat ranged from 6.68 per cent. to 11.90 per cent., with an average of 8.34 per cent. The crude fiber varied from 5.50 per cent. to 11.50 per cent., with an average of 8.65 per cent. Fourteen samples did not meet their guarantees for crude protein, which ranged from 38.50 per cent. to 41.00 per cent. It will be noted that some of the guarantees were given as "38.62 to 43.00 per cent.," "41.00 to 48.00 per cent.," "41.00 to 43.00 per cent.," etc., giving in such cases quite a range in the amount of crude protein which the meal might be found to contain. In seven cases where such a range in guarantees were given, the higher figure was reached, while in many cases where only one figure was guaranteed, the content of crude protein was found to be considerably in excess of the amount guaranteed. Two samples did not meet the guarantees for crude fat.

None of these samples were found to contain an excessive amount of cottonseed hulls which could be separated from the meal.

AVERAGE ANALYSES AND RETAIL PRICES.

	1905.	1906.	1907.	1908.	1909.	1910.	1911.
Number of samples, -----	1	9	11	24	34	47	53
Crude protein, -----	40.63	41.21	39.16	41.75	41.41	40.11	41.19
Crude fat, -----	7.09	9.09	9.55	8.79	8.69	8.18	8.34
Crude fiber, -----			10.16	8.39	8.15	8.73	8.65
Price per ton, -----	\$28 00	\$30 83	\$31 90	\$35 21	\$32 51	\$37 01	\$33 98

LINSEED MEAL.

Analyses on Pages 44 to 51.

Fifty-nine samples of linseed meal were analyzed during the year, two being new process meals, and the remaining number being old process meals. All of these samples were found to be guaranteed.

In the new process meals, the crude protein ranged from 36.44 per cent. to 39.63 per cent., with an average of 37.50 per cent.; the crude fat ranged from 1.85 per cent. to 2.85 per cent., with an average of 2.38 per cent. and the crude fiber varied from 8.27 per cent. to 9.52 per cent., with an average of 8.74 per cent. Following is a table for new process oil meals.

AVERAGE ANALYSES AND RETAIL PRICES.

	1905.	1906.	1907.	1908.	1909.	1910.	1911.
Number of samples, -----	2	4	2	3	5	2	4
Crude protein, -----	36.27	35.86	36.59	34.32	39.47	36.10	37.50
Crude fat, -----	2.76	3.06	2.94	3.75	3.14	2.53	2.38
Crude fiber, -----			7.93	8.85	8.58	8.99	8.74
Price per ton, -----	\$30 56	\$30 52	\$33 00	\$33 00	\$34 20	\$38 50	\$41 50

In the old process meals, the crude protein was found to range from 28.25 per cent. to 39.75 per cent., with an average of 35.31 per cent.; the crude fat varied from 5.25 per cent. to 9.68 per cent., with an average of 6.46 per cent. and the crude fiber ranged from 6.30 per cent. to 10.02 per cent., with an average of 8.17 per cent. In five cases the content of crude protein fell below their guarantees and in only one case was the content of crude fat less than the amount claimed.

Three samples of meal were received which were classed as "Linseed Meal with Admixtures" for the reason that they were made from unscreened flaxseed which contained a considerable proportion

of weed seeds. These samples were guaranteed to contain at least 25.00 per cent. of crude protein, 8.00 per cent. of crude fat and not more than 11.00 per cent. of crude fiber, and upon analysis were found to comply with their guarantees. Following is a table for old process oil meals.

AVERAGE ANALYSES AND RETAIL PRICES.

	1905.	1906.	1907.	1908.	1909.	1910.	1911.
Number of samples, -----	10	4	23	62	41	62	55
Crude protein, -----	32.33	33.75	34.75	34.46	35.88	35.05	35.31
Crude fat, -----	7.12	7.26	7.23	6.94	6.90	6.67	6.46
Crude fiber, -----			8.17	8.19	7.80	7.94	8.17
Price per ton, -----	\$38 10	\$37 25	\$36 57	\$38 08	\$38 32	\$40 30	\$41 72

CORN OIL MEAL.

Analyses on Pages 50 and 51.

One sample of feeding stuffs, sold as corn oil meal and so classified, was received, and upon analysis was found to contain 14.50 per cent. crude protein, 9.35 per cent. crude fat, and 5.95 per cent. of crude fiber. This sample was guaranteed to contain 16.00 per cent. of crude protein.

DISTILLERY AND BREWERY BY-PRODUCTS.

DISTILLERS' GRAINS.

Analyses on Pages 50 to 53.

During the year, 21 samples of distillers' grains were received and analyzed, all of which were found to be guaranteed. Seventeen were distillers' grains of which corn was the predominating grain represented and four were distillers' grains largely from rye.

In the distillers' grains from corn, the lowest crude protein was found to be 25.32 per cent., the highest 33.31 per cent., with an average of 29.87 per cent. The crude fat ranged from 10.10 per cent. to 16.62 per cent., with an average of 13.47 per cent. The crude fiber ranged from 7.80 per cent. to 12.95 per cent., with an average of 11.16 per cent. In three samples the content of crude protein fell below their guarantees. Following is a table for distillers' grains largely from corn.

AVERAGE ANALYSES AND RETAIL PRICES.

	1905.	1906.	1907.	1908.	1909.	1910.	1911.
Number of samples, -----	4	4	8	3	11	18	17
Crude protein, -----	31.19	30.94	28.73	33.69	29.64	29.56	29.87
Crude fat, -----	13.08	13.04	11.76	15.24	13.14	12.64	13.47
Crude fiber, -----			11.13	12.17	10.87	11.36	11.16
Price per ton, -----	\$26 60	\$27 25	\$30 00	\$30 00	\$36 18	\$33 76	\$30 76

In the distillers' grains from rye, the following analyses were found: Lowest crude protein 16.69 per cent., highest 20.31 per cent., with an average of 18.14 per cent. The lowest crude fat, 6.95 per cent., highest, 12.50 per cent., with an average of 9.70 per cent. Lowest crude fiber, 11.95 per cent., highest, 15.60 per cent., with an average of 13.23 per cent. Following is a table for distillers' grains from rye.

AVERAGE ANALYSES AND RETAIL PRICES.

	1909.	1910.	1911.
Number of samples, -----	3	3	4
Crude protein, -----	15.96	22.26	18.14
Crude fat, -----	9.84	8.50	9.70
Crude fiber, -----	15.38	14.43	13.23
Price per ton, -----	\$28 00	\$27 67	\$30 25

BREWERS' GRAINS.

Analyses on Pages 52 to 55.

Twenty-five samples of brewers' grains were received, four of which were not properly guaranteed. The crude protein ranged from 24.50 per cent. to 33.44 per cent., with an average of 27.82 per cent. The crude fat ranged from 6.50 per cent. to 8.50 per cent., with an average of 7.59 per cent. The crude fiber varied from 10.87 per cent. to 16.05 per cent., with an average of 13.98 per cent.

AVERAGE ANALYSES AND RETAIL PRICES.

	1905.	1906.	1907.	1908.	1909.	1910.	1911.
Number of samples, -----	1	1	6	4	16	15	25
Crude protein, -----	28.50	22.50	26.34	28.19	27.21	25.53	27.82
Crude fat, -----	7.27	6.93	7.30	7.43	7.27	7.34	7.59
Crude fiber, -----			13.25	14.13	14.41	13.88	13.98
Price per ton, -----	\$20 00	\$23 00	\$22 80	\$28 25	\$27 53	\$27 53	\$26 24

MALT SPROUTS.

Analyses on Pages 54 to 57.

Seven guaranteed samples of malt sprouts were analyzed. One of these samples was found to contain a considerable amount of barley hulls and chaff and a small amount of weed seeds, and one contained a considerable proportion of bindweed. The crude protein ranged from 23.50 per cent. to 28.56 per cent., with an average of 25.50 per cent. The crude fat ranged from 2.65 per cent. to 3.75 per cent., with an average of 3.04 per cent., and the crude fiber ranged from 11.87 per cent. to 14.72 per cent., with an average of 12.07 per cent.

AVERAGE ANALYSES AND RETAIL PRICES.

	1905.	1906.	1907.	1908.	1909.	1910.	1911.
Number of samples, -----	1	5	6	4	17	8	7
Crude protein, -----	25.13	25.49	26.06	25.03	27.35	25.99	25.50
Crude fat, -----	1.53	2.12	2.04	1.93	2.07	2.00	3.04
Crude fibre, -----			12.33	13.15	12.92	12.71	12.07
Price per ton, -----	\$20 00	\$19 60	\$24 75	\$25 75	\$26 21	\$25 50	\$26 21

MAIZE BY-PRODUCTS.

GLUTEN FEED.

Analyses on Pages 56 to 61.

The number of samples of gluten feed received during the year was 44, one of which was not guaranteed. Seven samples were artificially colored with aniline. We have been advised by manufacturers of gluten feed, who formerly used this color, that this practice has been discontinued. The addition of the "steep water," however, is being continued which causes the content of crude protein to be somewhat higher than the amount which would be present were the steep water not used, and also to cause a slight acidity to be present, which is due to the acid phosphates and acid organic compounds.

The crude protein ranged from 19.00 per cent. to 29.38 per cent., with an average of 25.13 per cent. The crude fat ranged from 2.35 per cent. to 6.68 per cent., with an average of 3.96 per cent. The crude fiber ranged from 5.32 per cent. to 8.05 per cent., with an average of 6.71 per cent.

Five samples were found to run under their guarantees in both crude protein and fat, three were low in crude protein alone, and two were low in crude fat alone.

AVERAGE ANALYSES AND RETAIL PRICES.

	1905.	1906.	1907.	1908.	1909.	1910.	1911.
Number of samples, -----	7	12	25	35	62	55	44
Crude protein, -----	23.76	25.04	24.37	24.14	25.43	23.84	25.13
Crude fat, -----	3.52	3.86	3.80	4.69	3.81	4.26	3.96
Crude fiber, -----			7.21	7.21	7.27	6.75	6.71
Price per ton, -----	\$25 50	\$25 61	\$30 27	\$31 09	\$31 61	\$30 69	\$28 43

HOMINY FEED.

Analyses on Pages 60 to 63.

During the year, 26 samples of hominy feed were received, which were guaranteed. Only one was found to be less in crude protein than that guaranteed, and three were low in crude fat.

The crude protein ranged from 9.88 per cent. to 12.81 per cent., with an average of 11.02 per cent. The crude fat ranged from 6.75 per cent. to 9.70 per cent., with an average of 8.04 per cent. and the crude fiber ranged from 1.87 per cent. to 5.55 per cent., with an average of 3.94 per cent.

AVERAGE ANALYSES AND RETAIL PRICES.

	1905.	1906.	1907.	1908.	1909.	1910.	1911.
Number of samples, -----	1	6	10	18	32	49	26
Crude protein, -----	10.44	10.73	10.13	9.84	10.99	10.49	11.02
Crude fat, -----	8.55	8.92	7.95	7.99	8.73	8.78	8.04
Crude fiber, -----			5.08	4.12	4.75	3.98	3.94
Price per ton, -----	\$26 00	\$22 50	\$31 22	\$30 50	\$31 31	\$28 29	\$28 56

CORN BRAN.

Analyses on Pages 62 to 65.

Thirteen guaranteed samples of feeding stuffs were received which were classed as corn bran. These samples were of a good, clean character, and no deficiencies were observed.

The crude protein averaged from 9.13 per cent. to 12.00 per cent., with an average of 10.48 per cent. The crude fat ran from 3.45 per

cent. to 12.22 per cent., with an average of 8.78 per cent. and the crude fiber ran from 3.55 per cent. to 11.05 per cent., with an average of 7.42 per cent.

CORN FLOUR.

Analyses on Pages 64 and 65.

Only one sample of corn flour was received. This product was guaranteed to contain 9 per cent. of crude protein, 6 per cent. of crude fat and 2 per cent. of crude fiber. The analysis showed it to contain 7.94 per cent. of crude protein, 4.37 per cent. of crude fat, and 1.32 per cent. of crude fiber.

WHEAT OFFALS.

The number of samples of feeding stuffs received during the year which were classed as wheat offals was 151. This number was considerably less than the number examined during 1910. This class of feeding stuffs as a rule are free from adulterations and, therefore, it was deemed advisable not to go to the expense of analyzing such a large number as were secured last year. Of the number received 7 were low grade flours, 59 were middlings, 5 wheat middlings with admixtures, 4 mixed feeds and 76 were wheat bran. Except in the case of wheat middlings with admixtures the law does not require the guaranteed analysis to be given, however, in the majority of cases guarantees were furnished.

LOW GRADE FLOUR.

Analyses on Pages 64 and 65.

Seven samples of low grade flour were received, 4 being guaranteed. The crude protein ranged from 17.56 per cent. to 19.75 per cent., with an average of 18.54 per cent. The crude fat ranged from 3.90 per cent. to 5.08 per cent., with an average of 4.41 per cent., and the crude fiber ranged from 0.82 per cent. to 3.15 per cent., with an average of 2.27 per cent.

AVERAGE ANALYSES AND RETAIL PRICES.

	1905.	1906.	1907.	1908.	1909.	1910.	1911.
Number of samples, -----	7	3	15	24	18	24	7
Crude protein, -----	15.51	14.38	17.07	17.41	17.18	17.36	18.54
Crude fat, -----	3.61	3.03	4.44	4.54	5.11	4.53	4.41
Crude fiber, -----			2.32	2.53	4.88	2.40	2.27
Price per ton, -----	\$29 86	\$25 66	\$33 96	\$33 60	\$33 11	\$33 71	\$34 43

WHEAT MIDLINGS.

Analyses on Pages 64 to 69.

Fifty-nine samples of wheat middlings were obtained, 28 of which were guaranteed. Of the number guaranteed, 2 were low in both crude protein and fat, and 2 were low in fat alone. With one exception where a small amount of flaxseed and weed seeds were found to be present, the middlings were of a good, clean character.

The crude protein ranged from 14.69 per cent. to 19.56 per cent., with an average of 17.43 per cent. The crude fat ranged from 3.13 per cent. to 6.35 per cent., with an average of 4.52 per cent., and the crude fiber ranged from 1.97 per cent. to 10.30 per cent., with an average of 4.86 per cent.

AVERAGE ANALYSES AND RETAIL PRICES.

	1905.	1906.	1907.	1908.	1909.	1910.	1911.
Number of samples, -----	49	26	87	162	173	193	59
Crude protein, -----	15.23	16.64	17.17	16.75	16.93	17.35	17.43
Crude fat, -----	4.02	4.83	5.24	4.88	5.10	5.21	4.52
Crude fiber, -----			5.97	5.22	5.38	5.64	4.86
Price per ton, -----	\$26 22	\$24 17	\$31 14	\$31 80	\$31 43	\$30 33	\$30 98

WHEAT MIDLINGS WITH ADMIXTURES.

Analyses on Pages 68 and 69.

Five samples of feeding stuffs classed as "Wheat Middlings with Admixtures" were received and analyzed, all of which were guaranteed. One sample was composed of wheat middlings, red dog flour and hominy feed. Three were mixtures of wheat middlings and corn meal and one was a by-product obtained in the process of the manufacture of tin plate and was wheat middlings to which palm oil had been added. No deficiencies in the contents of crude protein and crude fat were found in these samples.

MIXED FEED—WHEAT BY-PRODUCTS.

Analyses on Pages 68 to 71.

Four samples of wheat mixed feed composed of wheat bran and wheat middlings, were analyzed. They were properly guaranteed and no adulteration was detected.

The crude protein ranged from 15.50 per cent. to 17.63 per cent., with an average of 16.80 per cent. The crude fat ranged from 4.18 per cent. to 5.13 per cent., with an average of 4.79 per cent. and the crude fiber ranged from 5.30 per cent. to 7.32 per cent., with an average of 6.63 per cent.

AVERAGE ANALYSES AND RETAIL PRICES.

	1905.	1906.	1907.	1908.	1909.	1910.	1911.
Number of samples, -----	4	5	16	18	7	16	4
Crude protein, -----	15.99	15.74	16.19	16.55	16.39	16.85	16.80
Crude fat, -----	4.43	5.10	4.91	4.82	4.86	5.18	4.79
Crude fiber, -----			7.49	7.64	7.65	7.96	6.63
Price per ton, -----	\$24 75	\$24 80	\$29 18	\$30 72	\$24 57	\$28 81	\$26 25

WHEAT BRAN.

Analyses on Pages 70 to 75.

Seventy-six samples of wheat bran, 51 of which were guaranteed, were received. No deficiencies were detected in crude protein, and in only one case the content of crude fat was less than the amount claimed. All of the samples were free from foreign substances and were of a good quality.

The crude protein ranged from 14.75 per cent. to 17.94 per cent., with an average of 16.41 per cent. The crude fat ranged from 4.10 per cent. to 6.33 per cent., with an average of 5.02 per cent. The crude fiber ranged from 4.72 per cent. to 11.75 per cent., with an average of 9.22 per cent.

AVERAGE ANALYSES AND RETAIL PRICES.

	1905.	1906.	1907.	1908.	1909.	1910.	1911.
Number of samples, -----	59	26	75	258	176	246	76
Crude protein, -----	14.30	14.85	15.74	15.57	15.78	16.37	16.41
Crude fat, -----	4.48	4.79	5.02	4.96	4.99	5.14	5.02
Crude fiber, -----			9.72	9.50	10.08	9.78	9.22
Price per ton, -----	\$23 74	\$22 44	\$28 66	\$29 25	\$28 54	\$27 66	\$28 68

RYE OFFALS.

Analyses on Pages 74 to 77.

Four samples of rye offals were received, three being rye middlings, and one a rye mixed feed, all of which were guaranteed. Only one deficiency was found, that being where the content of crude fat was less than that claimed.

The average analysis of the rye middlings was as follows: crude protein 17.46 per cent., crude fat 3.32 per cent. and crude fiber 4.24 per cent.

The rye mixed feed analyzed 15.81 per cent. of crude protein, 3.75 per cent. of crude fat and 3.85 per cent. of crude fiber.

WHEAT AND RYE OFFALS.

Analyses on Pages 76 and 77.

Only two samples of this class of by-products were received, one being a mixture of wheat and rye middlings, which was guaranteed, and which analyzed 15.94 per cent. of crude protein, 4.05 per cent. of crude fat and 3.80 per cent. of crude fiber. The other sample was a mixture of rye bran, rye middlings, wheat bran and wheat middlings, and was found to contain 14.38 per cent. of crude protein, 2.65 per cent. of crude fat and 4.10 per cent. of crude fiber.

BUCKWHEAT OFFALS.

Analyses on Pages 76 and 77.

Three samples of this class of offals were received during the year, two of which were buckwheat middlings, the other being a sample which was guaranteed and classed as buckwheat feed.

The average analysis of the middlings was 27.94 per cent. of crude protein, 7.46 per cent. of crude fat and 3.61 per cent. of crude fiber.

The feed analyzed 14.94 per cent. of crude protein, 3.62 per cent. of crude fat and 19.67 per cent. of crude fiber. This class of by-products are required to be guaranteed, and in this case the contents of crude protein and crude fat were found to be somewhat less than the amount claimed.

ALFALFA MEAL.

Analyses on Pages 76 to 79.

Sixteen samples of alfalfa meal were received. Three of these samples were alfalfa meal to which syrup or molasses had been added. In the straight alfalfa meals, the crude protein ranged from 14.06 per cent. to 18.03 per cent., with an average of 14.86 per cent., the crude fat ranged from 1.63 per cent. to 4.00 per cent., with an average of 2.47 per cent. and the crude fiber ranged from 26.57 per cent. to 31.97 per cent., with an average of 29.53 per cent.

In the four samples of alfalfa meals mixed with molasses, the average analysis was found to be as follows: crude protein 14.06 per cent., crude fat 1.44 per cent. and crude fiber 14.83 per cent. All of these meals were found to be of good quality.

AVERAGE ANALYSES AND RETAIL PRICES.

	1908.	1909.	1910.	1911.
Number of samples, -----	11	10	25	13
Crude protein, -----	15.12	15.47	14.76	14.86
Crude fat, -----	2.36	2.62	2.35	2.47
Crude fiber, -----	32.68	27.66	29.99	29.53
Price per ton, -----	\$28 00	\$32 00	\$29 00	\$30 46

BEET PULP.

Analyses on Pages 78 and 79.

The number of samples of beet pulp received was 14, all of which were found to be properly guaranteed. No deficiencies in crude protein and crude fat were detected, and in no case was the content of crude fibre in excess of the amount guaranteed, which was 20 per cent., except one which was guaranteed 18 per cent. A few of the samples received contained beet molasses, as claimed.

The content of crude protein ranged from 8.63 per cent. to 10.44 per cent., with an average of 9.39 per cent. The crude fat ranged from 0.85 per cent. to 1.95 per cent., with an average of 1.35 per cent. and the crude fiber ranged from 12.55 per cent. to 19.85 per cent., with an average of 17.97 per cent.

AVERAGE ANALYSES AND RETAIL PRICES.

	1907.	1908.	1909.	1910.	1911.
Number of samples, -----	3	4	4	11	14
Crude protein, -----	8.90	9.56	9.63	8.94	9.39
Crude fat, -----	0.69	0.92	1.01	1.16	1.35
Crude fiber, -----	19.44	19.40	18.04	17.71	17.97
Price per ton, -----	\$23 33	\$24 75	\$25 12	\$25 87	\$26 79

MIXED FEEDS: PROPRIETARY AND OTHERWISE.

During the year 538 samples of feeding stuffs were received which are grouped under the general heading "Mixed Feeds." Six subdivisions of this group have been made and the results are reported and discussed under the following headings:

Proprietary Dairy and Stock Feeds.

Proprietary Horse and Mule Feeds.

Calf Meals.

Miscellaneous Feeds.

Miscellaneous Chop Feeds.

Proprietary Poultry Foods.

PROPRIETARY DAIRY AND STOCK FEEDS.

Analyses on Pages 80 to 127.

The number of feeding stuffs of this class which were received was 237, all of which were guaranteed. One-half of this number, or 114, were molasses feeds, so named for the reason that they are composed of such by-products as ground grain screenings, oat hulls, oat middlings, oat clippings, flax pods and stalks, fortified with other by-products, such as, cottonseed meal, linseed meal, distillers' grains, brewers' grains, maize by-products and wheat offals and mixed with molasses.

A large proportion of the dairy and stock feeds, not molasses feeds, are made from by-products low in protein and high in fibrous material including cottonseed hulls, oat hulls, oat middlings, oat clippings and flax plant refuse, to which are added by-products rather high in crude protein.

It may be fairly stated that this class of feeding stuffs represented by the samples examined during the year were found to be of a better quality and much cleaner in their appearance than those examined last year. The number of samples which contained unground weed seeds, which formerly have been found present in large quantities, has been less, and in those samples where weed seeds were detected their presence was not in such large amounts as was the case in samples analyzed and reported in former bulletins. Several samples were received, however, which contained varying amounts of weed seeds, some of which were unground. These seeds were introduced with grain screenings, where used, which had not been properly cleaned and freed from undesirable seeds. The number of deficiencies in protein and fat observed in this class of feeding stuffs was less than in those received during 1910. Twenty samples were analyzed which showed the crude protein to be in excess of one per cent. below the guaranteed amounts; and in three samples the content of crude fat was one-half of one per cent. less than that claimed. Such by-products as rice hulls, peanut shucks and ground corn cobs were not detected. Where oat hulls, flax plant refuse and cottonseed hulls are used in compounding a mixed feed, the law restricts the content of crude fiber, which such a feed may contain, to nine per cent. In the samples of feeding stuffs where these by-products were used, except in the case of Quaker Dairy Molasses Feed and Daisy Dairy Feed, the violations have been few in number. In the two brands referred to, the content of crude fiber has continued to be considerably in excess of the amount permitted.

The manufacture of Daisy Dairy Feed, Boss Feed and Sterling Feed, formerly manufactured by the Great Western Cereal Com-

pany, are now being produced by the Quaker Oats Company, which absorbed the former concern. Seven samples of Boss Feed and eight samples of Sterling Feeds manufactured by the Great Western Cereal Co. are placed in the table under this firm's name and two samples of each were placed on the market by the Quaker Oats Company and so listed. The chemical analysis and composition of the Proprietary Dairy and Stock Feeds will be found in the table as indicated and among the brands received are included:

Acme Feed, Altoona Grain and Feed Co's Dairy Feed, Sucrene Dairy Feed, Sucrene Mixing Feed, Sucrene Quaker Feed, Sucrene Stock Feed, Ubiko Union Grains, Unicorn Dairy Ration, Chesbro's Stock Feed, White Cross Stock Feed, Duffee's Mixed Feed, Crystalloid Dairy Feed, Elba Cottonseed Feed, Empire Feed, Emporium Feed, Faramel Dairy Feed, Sugar Ring Feed, Holstein Feed, Boss Feed, Daisy Dairy Feed, Sterling Feed, Sterling Stock Feed, H. & S. Alfalfa Feed, Husted Molasses Feed, Mayflower Stock Feed, Imperial Feed Meal, International Dairy Feed, International Molasses Feed, International Special Molasses Feed, Kornfalfa Feed, Badger Dairy Feed, McMahn's Concentrated Protein Feed, Milk and Muscle Producer and Special Pig Grower, Sugarota Dairy Feed, Otto Weiss Alfalfa Oats Feed, Yellow P. & S. Feed, Pioneer Stock Feed, Pritts' Cow Feed, Blue Ribbon Dairy Feed, Buckeye Mixed Feed, C. O. & B. Feed, Quaker Dairy Molasses Feed, Schumacher Stock Feed, Victor Feed, White Diamond Feed, Boveta Brand Cottonseed Hulls and Meal Mixture, Southern Fiber Co's Cottonseed Feed Meal, Jersey Cow Feed, Ko-boss Dairy Feed, Prime Cottonseed Feed, and Royal Feed, Sugarine Dairy Feed, Star Feed, Camps' Wamba Feed, Hammond Dairy Feed and Molasses Corn Flakes.

PROPRIETARY HORSE AND MULE FEEDS.

Analyses on Pages 126 to 133.

Thirty-eight guaranteed samples of feeding stuffs were secured which may be classed as Proprietary Horse and Mule Feeds. These samples were found to be in a good, clean condition, only two being reported as containing a small amount of weed seeds. No deficiencies were found where the crude protein was one per cent. or more, or the crude fat one and one-half per cent. or more, less than the guarantees claimed. In three cases only did the analyses fall slightly below the amounts guaranteed.

The products used in the compounding of these feeding stuffs included corn, corn grits, ear corn, oats, barley, wheat, buckwheat, cottonseed meal, linseed meal, gluten feed, hominy feed, brewers' grains, malt sprouts, alfalfa, wheat middlings, wheat bran, rye middlings, oat middlings, oat hulls, oat clippings, corn siftings, flax plant refuse, molasses and salt. Their chemical analyses and composition will be found in the table. The following brands were included in this class:

Altoona Feed Mill's Horse Chop, Sucrene Alfalfa Horse and Mule Feed, Ubiko Horse and Stock Feed, E. D. Clarke's Horse Chop, Pioneer Horse and Cattle Feed, Faramel Horse and Cattle Feeds, Columbia Alfalfa Horse Feed, Husted Horse Feed, Klepser Bros.' Horse Chop, Badger Alfalfa Horse and Mule Feed, McMahan's Prepared Horse Feed, Sugarota Horse Feed, Perfection Horse Feed, Peter's Arab Horse Feed, Pritt's Horse Feed, Molac Horse Feed, Schumacher Special Horse Feed, Sherman's Excello Horse Feed, Chicago Alfalfa Horse and Mule Feed and Hammond Horse Feed.

CALF MEALS.

Analyses on Pages 132 and 133.

Ten samples of Calf Meal were received and analyzed, all of which were guaranteed for analysis and composition. Only one was deficient in both crude protein and crude fat, and two were a little low in the amount of crude protein alone. These products may be classed as high protein feeds. The lowest protein was 18.69 per cent. and the highest was 27.06 per cent., with an average of 23.13 per cent. The ingredients used in manufacturing these meals include cottonseed meal, linseed meal, Locust bean meal, wheat meal, oat meal, wheat flour, ground flaxseed, wheat, barley, malt, beans, lentils, dried milk and salt. Four brands of Calf Meal were represented as follows:

Blatchford's Calf Meal, Gregson's Calf Meal, Sugarota Calf Meal and Schumacher Calf Meal.

MISCELLANEOUS FEEDS.

Analyses on Pages 134 and 135.

Five samples were sent in by Special Agents which were grouped in this class. Only two of these were guaranteed. One sample sold as "Flax Flakes" was found to be ground flax screenings consisting for the most part of weed seeds. In addition to the brand noted, the following brands were included in this class:

Mixed Red Dog, a "Mixed Feed," one sample of Corn, Oat and Rye Middlings and one of Yellow Feed Meal.

MISCELLANEOUS CHOP FEEDS.

Analyses on Pages 134 to 145.

One hundred and eight samples classified as Miscellaneous Chop Feeds were received and analyzed. Many of these samples were composed of one or more grains which were whole or ground and which are not required to be labeled with the guaranteed analyses. Fifty-seven of these chop feeds, however, were guaranteed. This class included eight samples of corn chop averaging 9.04 per cent. of crude protein, 4.23 per cent. of crude fat and 1.88 per cent. of crude fiber; three samples of rye chops averaging 11.29 per cent. of crude protein,

2.03 per cent. of crude fat and 1.90 per cent. of crude fiber; 39 samples of corn and oat chops averaging 10.17 per cent. of crude protein, 4.41 per cent. of crude fat and 4.06 per cent. of crude fiber and 58 samples of chop feeds composed of two or more products. The ingredients in these feeds included cottonseed meal, wheat bran, wheat middlings, rye middlings, hominy feed, corn, oats, barley, wheat, rye, ear corn, corn screenings, grain screenings, oat shorts, oat middlings, oat hulls, oat clippings and salt.

PROPRIETARY POULTRY FOODS.

Analyses on Pages 146 to 169.

The number of samples of Proprietary Poultry Foods analyzed was 140, 118 of which were guaranteed. One sample was found to be deficient in both crude protein and crude fat, nine were deficient in crude protein alone and eight were deficient in crude fat alone. The ingredients used in compounding these poultry foods included:

Corn, oats, hulled oats, oat groats, oat meal, barley, buckwheat, rye, spelts, millet, rice, peas, hemp seed, flaxseed, canary seed, rape, pea meal, Kaffir corn, milo maize, sunflower seed, alfalfa, cottonseed meal, linseed meal, hominy feed, gluten feed, wheat bran, wheat middlings, beef scraps, dried fish, meat meal, bone, bone meal, wheat screenings, Hen-e-ta bone grit, marble grit, oyster shells, charcoal and salt.

In several samples weed seeds were found to be present in varying amounts which were undoubtedly introduced by the use of grain screenings from which the weed seeds had not been properly cleaned or separated. A product known as "Chicken Feed Wheat," which is a poor grade of wheat containing a large proportion of weed seeds, was found to have been used in some cases. The brands of Poultry Foods included in this group are as follows:

Acme Milling Co's Mixed Chick Feed, Aleeda Chicken Feed, Chicken Scratch Feed, Amco Hen Feed, Blended Hen Food, Chick Food Invigorator, B. & G.'s Dry Mash Food, Bolgiano's Square Deal Chick Food, Square Deal Chick Starter and Square Deal Poultry Food, Rex Brand Pigeon Food, F. P. Cassell & Son's Developing Chick Feed, High Grade Pigeon Feed and Standard Poultry Scratch Feed, Chesbro's Trojan Chick Feed and Trojan Scratch Feed, Chicken Feed Wheat, E. D. Clark's Superior Hen Food and Superior Chick Food, Mixture-Arrow Chick Food, Mixture-Arrow Egg Food, Dayton's Ideal Scratch Grains, Crescent Chick Feed with grit, Globe Scratch Feed with and without grit, Pine Tree Scratch Feed, Queen Poultry Mash, Dyer's Hen Feed, Eaker & Vermilya's Chick Food, Red Comb Meal Mash, Red Comb Poultry Feed, Elkland Milling Co's Hen Food, John W. Eshelman's Chick Feed, Hen Feed and

Pigeon Feed, Blue Ribbon Little Chick Food, Sterling Chick Feed, Sterling Scratch Feed, Anchor Chick Feed, Anchor Developing Feed, Imperial Chicken Feed, Husted Laying Mash, Husted Poultry Feed, John-Hen Poultry Feed, Kift Milling Co's Poultry Food, A No. 1 Poultry Grains, Ideal Hen Feed, L. & S. Hen Feed, Lindsey Milling Co's Poultry Feed, Martin's Chick Feed and Mixed Poultry Feed, Diamond Scratch Feed with and without grit, No. 1 Scratch Feed, Purity Poultry Mash, Acme Mash Feed, Sugarota Chick Feed, Sugarota Scratch Feed, C. H. Notter's Mixed Chicken Feed, The Park & Pollard Co's Dry Mash, Gritless Chick Food, Growing Feed, Red Ribbon Chick Food, Scratch Feed and Screened Scratch Feed, Pontz's Mash Feed, Prit's Dry Mash, Purina Chicken Chowder, Purina Mill Feeds, Chick Size, Pigeon Size and Scratch Size, American Hen Scratching Grains, Schumacher Little Chick Feed, American Poultry Feed, Schumacher Scratching Grains, Red Hen Scratch Feed, Premier Scratch Feed, Excellor Poultry Grains, Government Mash, Snyder's Scratch Feed, Dry Mash for Poultry, Spratts' Chick-grain, Steimesch Mixed Feed Hen Size, Suco Hen Feed, Excelsior Chicken Feed, Victor Poultry Food, White Oak Chick Feed, White Oak Large Feed, and Yost's Chick Feed, Perfection Mash Feed and Life Saver Little Chick Food.

ANIMAL BY-PRODUCTS.

Analyses on Pages 168 and 169.

Seven samples of feeding stuffs classed as Animal By-Products were received during the year, all of which were guaranteed. Three of these were found to be in excess of one per cent. below the guaranteed amounts for crude protein. The material used in preparing these products consisted of varying grades of meat scraps, beef cracklings and bone. The brands received were as follows:

Three Medal Poultry Meal, Berg & Co's Poultry Meal, Darling's Pure Ground Beef Scraps for Poultry, Fritz Co's Ground Beef Scraps for Poultry, Model Milling Co's Beef Scraps, Syracuse Cooked Meat Scraps and Brehm's Beef Scraps.

CONDIMENTAL STOCK AND POULTRY FOODS.

Analyses on Pages 168 to 171.

Twelve samples of this class of feeding stuffs were received and analyzed, seven of which were found to be guaranteed for crude protein, crude fat, crude fiber and composition. This class of goods usually are composed of a feeding stuff as a base to which has been added some condimental or regulative product. The ingredients claimed to be used in the samples received included the following:

Corn, corn meal, oats, oat middlings, oat hulls, wheat, millet, alfalfa meal, wheat middlings, wheat bran, Kaffir corn, bone meal,

dried beef and bone, linseed oil meal, cottonseed meal, gluten feed, crackers, juniper berries, elm bark, ginger, gentian, anise seed, foenu-greek, ground blood, fennel seed, licorice root, starch, sulphur, ferrous sulphate, salt, pepper, emson salt, iron oxide, charcoal and petrol.

The brands include the following:

Blue Grass Matchless Egg Maker, F. P. C. Chick Manna, F. P. C. High Grade Poultry Mash Food, F. P. C. Success Chickseat, Conkey's Laying Tonic, Little Giant Stock Food, Pratt's Conditioner for Horses and Cattle, Pratt's Egg Producer, Rust's Egg Producer and Premier Egg Food.

ANALYSES OF FEEDING STUFFS COLLECTED BY SPECIAL AGENTS.

In the following table (No. VII) is given the partial chemical analyses and the results of the microscopical examinations, together with the guaranteed analyses, certified compositions and retail prices of the official samples of feeding stuffs which were secured by Special Agents of the Department during 1911. These samples are classed in the table under the headings or groups as follows:

Oil Cake Meals, including cottonseed meal, new process and old process linseed meals, linseed meal with admixtures and corn oil meal.

Distillery and Brewery By-Products, including distillers' grains, brewers' grains and malt sprouts.

Maize By-Products, including gluten feed, hominy feed, corn bran and corn flour.

Wheat Offals, including low grade flour, wheat middlings, wheat middlings with admixtures, mixed feed:—wheat by-products and wheat bran.

Rye Offals, including rye middlings and rye mixed feed.

Wheat and Rye Offals, including wheat and rye bran and middlings.

Buckwheat Offals, including buckwheat middlings and feeds.

Alfalfa Meals.

Beet Pulp.

Mixed Feeds, including proprietary dairy and stock feeds, proprietary horse and mule feeds, calf meals, miscellaneous feeds, miscellaneous chop feeds and proprietary poultry foods.

Animal By-Products.

Condimental Stock and Poultry Foods.

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
OIL CAKE MEALS.						
Cottonseed Meal.						
5666	Amco, American Milling Co., Chicago, Ill.	Sunbury, Kift Milling Co.,---	464	Per et. 7.71	Per et. 40.06	Per et. 41.00
5720	"Farmer" Brand Fancy Choice, The Bartlett Co., Jackson, Mich.	Elwood City, R. B. Curry,	518	7.38	38.69	41-48
5711	"Farmer" Brand Fancy Choice, The Bartlett Co., Jackson, Mich.	New Castle, Adolph Roth,---	509	6.39	38.13	41-48
		Average, -----		6.88	38.41	-----
5298	"Battle Brand," W. P. Battle & Co., Memphis, Tenn.	Lancaster, Sprecher & Ganss.	96	9.17	42.75	38.62-43
5977	"Dove Brand," F. W. Brode & Co., Memphis, Tenn.	Pittsburg, The I. W. Scott Co.	679	7.73	42.81	38.62
6054	"Owl Brand," High Grade, F. W. Brode & Co., Memphis, Tenn.	Doylestown, Henry S. Beidler.	756	8.02	41.69	41.00
5651	"Owl Brand," High Grade, F. W. Brode & Co., Memphis, Tenn.	Knoxville, Deerfield Milling Co.	449	8.45	41.06	41.00
5749	"Owl Brand," High Grade, F. W. Brode & Co., Memphis, Tenn.	Brookville, Kline's Flour & Feed Mill.	531	8.28	41.06	41.00
6139	"Owl Brand," High Grade, F. W. Brode & Co., Memphis, Tenn.	Elizabethtown, E. H. Lehman.	841	7.96	43.38	41.00
6133	"Owl Brand," High Grade, F. W. Brode & Co., Memphis, Tenn.	Elizabethtown, A. W. Martin.	835	7.16	40.00	41.00
6084	"Owl Brand," High Grade, F. W. Brode & Co., Memphis, Tenn.	West Point, L. W. Mat-tern.	786	6.50	42.69	41.00
5674	"Owl Brand," High Grade, F. W. Brode & Co., Memphis, Tenn.	Milton, C. H. McMahan, --	472	7.85	40.50	41.00
5635	"Owl Brand," High Grade, F. W. Brode & Co., Memphis, Tenn.	Troy, Snediker & Mitchell,	433	7.68	42.31	41.00
5707	"Owl Brand," High Grade, F. W. Brode & Co., Memphis, Tenn.	Indiana, J. M. Stewart & Co.	505	7.95	42.63	41.00
6046	"Owl Brand," High Grade, F. W. Brode & Co., Memphis, Tenn.	Doylestown, J. W. Stil-wagon & Son.	748	7.08	40.13	41.00
5757	"Owl Brand," High Grade, F. W. Brode & Co., Memphis, Tenn.	Wyalusing, Welles Mill Co.,	20	7.64	41.56	41.00
		Average, -----		7.68	41.55	-----
6126	Owl Brand, Pure, F. W. Brode & Co., Memphis, Tenn.	Ambler, J. Watson Craft,	828	6.65	42.38	41-43
5894	Owl Brand, Pure, F. W. Brode & Co., Memphis, Tenn.	Oil City, Clyde D. Duffee,	631	9.14	43.00	41-43
5485	Owl Brand, Pure, F. W. Brode & Co., Memphis, Tenn.	Warren, T. N. Dunham, --	283	6.28	42.63	41-43
5319	Owl Brand, Pure, F. W. Brode & Co., Memphis, Tenn.	Lititz, Elmer Eby, -----	117	7.30	40.63	41-43

FEEDING STUFFS COLLECTED IN 1911.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 8.00	Per ct. 8.00	Per ct. 10.05	Per ct. 10.00	\$1 65	Cottonseed product, ----	As certified, -----	5666
8.43	7-12	10.40	4-12	1 75	-----	Cottonseed meal, ----	5720
11.90	7-12	9.07	4-12	35 00	-----	Cottonseed meal, ----	5711
10.17	-----	9.73	-----	35 00			
7.73	6-8	7.40	10.00	32 50	-----	Cottonseed meal, ----	5298
9.25	6.00	7.27	10.00	34 00	Decorticated cottonseed, ..	As certified, -----	5977
7.73	6.00	7.42	10.00	32 00	Decorticated cottonseed, ..	As certified, -----	6054
8.43	6.00	8.60	10.00	1 75	Decorticated cottonseed, ..	As certified, -----	5651
7.58	6.00	9.90	10.00	1 90	Decorticated cottonseed, ..	As certified, -----	5749
8.00	6.00	7.00	10.00	32 00	Decorticated cottonseed, ..	As certified, -----	6139
7.95	6.00	10.00	10.00	1 60	Decorticated cottonseed, ..	As certified, -----	6133
9.30	6.00	7.30	10.00	32 00	Decorticated cottonseed, ..	As certified, -----	6081
7.63	6.00	10.07	10.00	36 00	Decorticated cottonseed, ..	As certified, -----	5674
8.90	6.00	7.92	10.00	1 65	Fully decorticated cottonseed.	As certified, -----	5635
10.15	6.00	7.85	10.00	2 10	Decorticated cottonseed, ..	As certified, -----	5707
9.23	6.00	7.62	10.00	34 00	Decorticated cottonseed, ..	As certified, -----	6046
8.40	6.00	7.30	10.00	30 00	Fully decorticated cottonseed.	As certified, -----	5757
8.48	-----	8.27	-----	34 18			
10.35	6-8	8.55	10.00	1 85	Decorticated cottonseed, ..	As certified, -----	6120
9.00	6-8	7.02	10.00	1 80	Decorticated cottonseed, ..	As certified, -----	5894
8.65	6-8	7.20	10.00	34 00	Decorticated cottonseed, ..	As certified, -----	5485
7.08	6-8	10.17	10.00	34 25	Decorticated cottonseed, ..	As certified, -----	5319

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
5497	Owl Brand, Pure, F. W. Brode & Co., Memphis, Tenn.	St. Marys, Hall, Kaul & Hyde Co.	295	Per ct. 6.95	Per ct. 43.31	Per ct. 41-43
5430	Owl Brand, Pure, F. W. Brode & Co., Memphis, Tenn.	Coatesville, P. D. Handwork Co., Ltd.	228	8.89	38.31	41-43
5960	Owl Brand, Pure, F. W. Brode & Co., Memphis, Tenn.	Pennsburg, Hillegass & Krauss.	89	8.63	43.25	41-43
5309	Owl Brand, Pure, F. W. Brode & Co., Memphis, Tenn.	Manheim, The Lancaster County Farmers' Association, Inc.	107	6.03	43.44	41-42
5406	Owl Brand, Pure, F. W. Brode & Co., Memphis, Tenn.	Spring Forge, Menges Bros. & Stauffer.	204	6.89	42.63	41-43
5388	Owl Brand, Pure, F. W. Brode & Co., Memphis, Tenn.	York, H. H. Smyser, ----	186	7.35	42.13	41-43
		Average, -----		7.41	42.17	-----
5290	----- H. E. Bridges & Co., Memphis, Tenn.	Lancaster, John W. Eshelman.	88	8.00	39.28	41.00
5275	----- H. E. Bridges & Co., Memphis, Tenn.	Butler, H. J. Klingler & Co.	73	7.67	43.94	41.00
		Average, -----		7.83	41.66	-----
5639	Buckeye Prime, The Buckeye Cotton Oil Co., Cincinnati, Ohio.	Wellsboro, Equity Co.—Operative Exchange.	437	7.58	41.56	39-41
5520	Buckeye Prime, The Buckeye Cotton Oil Co., Cincinnati, Ohio.	Coudersport, Eulalia Mills,	318	6.95	41.13	39-41
6072	Buckeye Prime, The Buckeye Cotton Oil Co., Cincinnati, Ohio.	Lansdale, A. C. Godshall & Co., Inc.	774	6.90	39.00	38.5-41
6008	Buckeye Prime, The Buckeye Cotton Oil Co., Cincinnati, Ohio.	Linesville, Linesville Milling Co.	716	8.77	37.81	39-41
6070	Buckeye Prime, The Buckeye Cotton Oil Co., Cincinnati, Ohio.	Colmar, C. R. Rosenberger.	772	7.43	37.19	38.5-41
5550	Buckeye Prime, The Buckeye Cotton Oil Co., Cincinnati, Ohio.	Clearfield, Ross & Woods,--	345	6.96	40.06	39-41
5734	Buckeye Prime, The Buckeye Cotton Oil Co., Cincinnati, Ohio.	Wysox, Smith & Waldo, --	11	8.50	40.44	39-41
		Average, -----		7.58	39.60	-----
6058	Good Luck Brand, S. P. Davis, Little Rock, Ark.	Chalfont, F. D. Hartzel's Sons.	760	6.58	38.38	41-43
5936	"Dixie Brand," Humphrey's Godwin Co., Memphis, Tenn.	Erie, D. J. Carroll, -----	720	8.26	38.38	38.62-43
5834	"Dixie Brand," Humphrey's Godwin Co., Memphis, Tenn.	New Castle, Fisher & Mengle.	507	7.44	42.81	38.62-42
5709	"Dixie Brand," Humphrey's Godwin Co., Memphis, Tenn.	Greenville, Hecker & Reed,	571	7.46	41.00	38.62-43
5351	"Dixie Brand," Humphrey's Godwin Co., Memphis, Tenn.	Tionesta, C. A. Lanson,--	652	7.61	41.88	38.62-43
6018	"Dixie Brand," Humphrey's Godwin Co., Memphis, Tenn.	Seottdale, J. E. Pritts, ---	149	5.94	41.50	38.62-43

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 8.08	Per ct. 6-8	Per ct. 7.60	Per ct. 10.00	\$2 15	Decorticated cottonseed,...	As certified,	5497
7.63	6-8	10.02	10.00	31 00	Decorticated cottonseed,...	As certified,	5430
8.10	6-8	7.92	10.00	1 65	Fully decorticated cottonseed.	As certified,	5960
9.00	6-8	5.95	10.00	32 25	Decorticated cottonseed,...	As certified,	5309
9.48	6-8	7.60	10.00	1 70	Decorticated cottonseed,...	As certified,	5406
7.33	6-8	8.25	10.00	33 00	Decorticated cottonseed,...	As certified,	5388
8.47	-----	8.02	-----	34 75			
9.30	9.00	8.22	9.00	30 50	Decorticated cottonseed,...	As certified,	5290
9.28	9.00	5.60	9.00	1 65	Decorticated cottonseed,...	As certified,	5275
9.29	-----	6.91	-----	31 75			
8.10	6.5-7	9.67	8-10	1 55	-----	Cottonseed meal,	5638
8.23	6.5-7	7.85	8-10	1 75	-----	Cottonseed meal,	5520
8.10	6.5-7	10.50	8-10	1 65	-----	Cottonseed meal,	6072
6.68	6.5-7	10.80	8-10	1 65	-----	Cottonseed meal,	6008
7.63	6.5-7	11.50	8-10	1 70	-----	Cottonseed meal,	6070
7.75	6.5-7	10.35	8-10	2 00	-----	Cottonseed meal,	5550
7.48	6.5-7	9.50	8-10	30 00	-----	Cottonseed meal,	5734
7.71	-----	10.02	-----	33 71			
7.58	7-9	10.55	10.50	32 50	Decorticated cottonseed,...	As certified,	6058
6.95	6-8	9.67	8-12	1 60	Pressed cottonseed,	As certified,	6018
7.85	6-8	7.85	8-12	30 00	Pressed cottonseed,	As certified,	5708
8.08	6-8	8.52	8-12	1 75	Made from pressed cottonseed.	As certified,	5834
8.28	6-8	8.77	6-12	1 75	Pressed cottonseed,	As certified,	5936
7.55	6-8	9.52	8-12	1 70	Made from pressed cottonseed.	As certified,	5351

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Molsture.	Found.	Guaranteed.
5637	"Dixie Brand," Humphrey's Godwin Co., Memphis, Tenn.	Wellsboro, B. Schrader & Son.	435	Per ct. 7.25	Per ct. 41.25	Per ct. 38.62-43
5539	"Dixie Brand," Humphrey's Godwin Co., Memphis, Tenn.	Lock Haven, E. E. Wentz,	337	6.92	44.69	38.62-43
5500	"Dixie Brand," Humphrey's Godwin Co., Memphis, Tenn.	St. Marys, George Wolf, ---	298	6.84	38.83	38.62-43
		Average, -----		7.21	41.30	-----
5717	Choice, Kemper Mill and Elevator Co., Kansas City, Mo.	New Castle, Cascade Mills,	515	8.00	41.06	41.00
5542	Choice, Kemper Mill and Elevator Co., Kansas City, Mo.	Du Bois, A. T. Sprankle,--	340	6.92	42.63	41.00
		Average, -----		7.46	41.85	-----
6001	Sun Brand, J. Lindsay Wells Co., Memphis, Tenn.	Turtle Creek, P. J. Riddle,	703	7.08	40.13	41-45
5493	Sun Brand, J. Lindsay Wells Co., Memphis, Tenn.	St. Marys, L. Ritter, -----	291	6.50	40.63	41-45
		Average, -----		6.79	40.38	-----
5245	Golden Brand, Pure, F. E. Morse & Co., Little Rock, Ark.	Palmyra, The Londonderry Mills.	45	7.48	44.94	41.00
5232	Golden Brand, Pure, F. E. Morse & Co., Little Rock, Ark.	Palmyra, A. S. Stouffer,--	32	7.57	43.19	41.00
		Average, -----		7.52	44.07	-----
6098	"Bee Brand," W. C. Northern, Little Rock, Ark.	Hatfield, George S. Snyder Estate.	800	6.29	40.31	41-43
5258	Baltimore Brand, Prime, W. Newton Smith, Baltimore, Md.	Johnstown, Swope Bros.,--	58	6.80	40.69	38.62-43
5311	Bonita Brand, Southern Cotton Oil Co., Charlotte, N. C.	Manheim, F. K. Nauman,--	109	7.74	39.06	38.62-40
		Total average, -----		7.44	41.19	-----
	Linseed Meal, N. P.					
6071	----- American Linseed Co., New York, N. Y.	Lansdale, A. C. Gotshall & Co., Inc.	773	10.09	37.25	36-40
6092	Pure Flax Meal, American Linseed Co., New York, N. Y.	West Point, Heebner & Kreible.	794	8.71	36.69	36-40
6089	Cleveland Flax Meal, American Linseed Co., New York, N. Y.	West Point, L. W. Mat-tern.	791	9.12	39.63	36-40
6102	Cleveland Flax Meal, American Linseed Co., New York, N. Y.	Hatfield, George S. Snyder Estate.	804	8.79	36.44	36-40
		Average, -----		9.17	37.50	-----
	Linseed Meal, O. P.					
5607	----- American Linseed Co., New York, N. Y.	Williamsport, F. W. Dawson & Son.	405	8.00	38.94	32-36

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
7.60	6-8	9.55	8-12	\$1 60	Pressed cottonseed, -----	As certified, -----	5637
9.10	6-8	5.50	8-12	1 75	Pressed cottonseed, -----	As certified, -----	5539
7.20	6-8	10.72	8-12	1 60	Pressed cottonseed, -----	As certified, -----	5500
7.83	-----	8.76	-----	33 13			
7.35	7.50	9.17	10.00	1 50	-----	Cottonseed meal, -----	5717
9.00	7.50	7.80	10.00	1 75	-----	Cottonseed meal, -----	5542
8.18	-----	8.48	-----	32 50			
9.23	7-8	9.20	9-10	1 95	Decorticated cottonseed,--	As certified, -----	6001
9.18	7-8	8.65	9-10	1 60	Decorticated cottonseed,--	As certified, -----	5492
9.21	-----	8.92	-----	35 50			
6.83	9.00	9.55	-----	31 00	Decorticated cottonseed,--	As certified, -----	5245
6.71	9.00	9.92	-----	35 00	Decorticated cottonseed,--	As certified, -----	5232
6.77	-----	9.73	-----	34 50			
9.38	7-9	7.82	10.50	34 00	Decorticated cottonseed,--	As certified, -----	6098
10.05	7-9	7.60	10.50	34 00	-----	Cottonseed meal, -----	5258
8.35	6.00	9.00	10.00	38 00	Made from cottonseed, --	As certified, -----	5311
8.34	-----	8.65	-----	33 98			
2.85	1-3	8.72	6.75	42 00	-----	New process oil meal, --	6071
1.85	1-3	8.45	9.5-11.5	41.00	-----	New process oil meal, --	6092
2.13	1-3	8.27	9.5-11.5	41 00	-----	New process oil meal, --	6089
2.68	1-3	9.52	9.5-11.5	42 00	-----	New process oil meal, --	6102
2.38	-----	8.74	-----	41 50	-----		
5.30	5-7	7.82	5.5-7	2 00	-----	Linseed oil meal, -----	5607

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.			
				Moisture.	Found.	Guaranteed.	
				Per ct.	Per ct.	Per ct.	
5746	----- American Linseed Co., New York, N. Y.	Reynoldsville, Fales Grocery Co.	528	9.41	38.94	32-36	
5464	Ground Linseed Cake, American Linseed Co., New York, N. Y.	Kittanning, J. A. Gault Co.	262	8.84	37.56	32-34	
5725	----- American Linseed Co., New York, N. Y.	Towanda, F. H. Hagerman.	2	9.63	38.56	32-36	
6093	----- American Linseed Co., New York, N. Y.	West Point, Heebner & Kriebel.	795	10.37	36.69	34.00	
5668	----- American Linseed Co., New York, N. Y.	Sunbury, Kift Milling Co.,	466	10.15	34.25	32-36	
6157	----- American Linseed Co., New York, N. Y.	Lewistown, Lewistown Ice and Storage Co.	859	8.52	38.06	32-36	
6087	----- American Linseed Co., New York, N. Y.	West Point, L. W. Mat-tern, New York, N. Y.	789	10.00	36.56	34.00	
6145	----- American Linseed Co., New York, N. Y.	Rohrerstown, Miller & Bushong.	847	10.41	36.31	34.00	
5377	----- American Linseed Co., New York, N. Y.	Charleroi, R. C. Mountser,	175	9.37	39.75	32-36	
5985	----- American Linseed Co., New York, N. Y.	Derry, J. O. Nicely, -----	687	9.12	37.19	32-36	
5551	----- American Linseed Co., New York, N. Y.	Clearfield, Ross & Woods,	349	8.15	39.06	32-36	
5694	----- American Linseed Co., New York, N. Y.	Blairsville, Smith & McKelvey.	492	8.85	38.88	32-36	
5236	----- American Linseed Co., New York, N. Y.	Palmira, A. S. Stauffer, --	36	8.57	39.69	32-36	
5502	----- American Linseed Co., New York, N. Y.	Kane, Swanson Grocery Co.	300	9.20	39.25	32-36	
		Average, -----		9.27	37.98	-----	
6150	Ground Oil Cake, Areher, Daniels Linseed Co., Minneapolis, Minn.	Quarryville, The Lancaster County Farmers' Association.	852	8.69	37.58	32.00	
5268	E. I. Bailey, Cleveland, Ohio.	Butler, The Leedom & Worral Co.	66	9.65	32.06	32.00	
6004	----- Chapin & Co., Milwaukee, Wis.	Meadville, Sherman Milling Co.	706	8.68	36.75	33.00	
5369	"Pure," J. M. Frisch & Co., Baltimore, Md.	Uniontown, W. S. Smith, --	167	9.00	34.88	32-36	
5940	----- Hauenstein & Co., Buffalo, N. Y.	Oil City, Magee Feed Co.,	656	8.36	36.44	30-37	
5543	----- Hauenstein & Co., Buffalo, N. Y.	Du Bois, A. T. Sprankle,--	341	7.57	38.44	30-37	
		Average, -----		7.96	37.44	-----	
6188	----- Hirst & Begley, Linseed Co., Chicago, Ill.	Wilmerding, Routh & Co.,	890	7.76	37.38	34.00	
5969	----- The Guy G. Major Co., Toledo, Ohio.	Manor, Hiram Altman & Son.	671	9.40	30.69	30-36	
6053	----- The Guy G. Major Co., Toledo, Ohio.	Doylestown, Henry S. Beidler.	755	8.66	29.50	30-36	
5905	----- The Guy G. Major Co., Toledo, Ohio.	Berwick, T. M. Bomboy, --	67	9.04	30.50	30-36	
5523	----- The Guy G. Major Co., Toledo, Ohio.	Coudersport, Gates Bros.,	321	8.63	28.25	30-36	
6061	----- The Guy G. Major Co., Toledo, Ohio.	Chalfont, F. D. Hartzel's Sons.	763	7.94	32.19	30-36	
6161	----- The Guy G. Major Co., Toledo, Ohio.	Lewistown, H. C. Jackson,	863	8.85	34.00	30-36	
5276	----- The Guy G. Major Co., Toledo, Ohio.	Butler, H. J. Klingler & Co.	74	9.56	35.44	30-36	
6011	----- The Guy G. Major Co., Toledo, Ohio.	Linesville, Linesville Milling Co.	713	8.26	31.75	30-36	
6173	----- The Guy G. Major Co., Toledo, Ohio.	Mifflin, Manbeck, Nelson & Co.	875	9.16	33.00	30-36	

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 5.95	Per ct. 5-7	Per ct. 7.47	Per ct. 5.5-7	\$2 10	-----	Linseed oil meal, -----	5746
6.00	5-8	7.42	-----	2 00	-----	Linseed oil meal, -----	5464
5.85	5-7	7.35	5.5-7	36 00	-----	Linseed oil meal, -----	5725
5.43	5.00	7.95	8.00	42 00	-----	Linseed oil meal, -----	6093
6.48	5-7	8.17	5.5-7	1 90	-----	Linseed oil meal, -----	5668
6.15	5-7	8.10	5.5-7	2 40	-----	Linseed oil meal, -----	6157
5.58	5.00	7.97	8.00	42 00	-----	Linseed oil meal, -----	6087
5.90	5.00	8.32	8.00	41 50	-----	Linseed oil meal, -----	6145
5.25	5-7	7.20	5.5-7	2 00	-----	Linseed oil meal, -----	5377
6.33	5-7	7.70	5.5-7	2 75	-----	Linseed oil meal, -----	5985
5.93	5-7	6.55	5.5-7	2 25	-----	Linseed oil meal, -----	5551
5.80	5-7	7.15	5.5-7	2 00	-----	Linseed oil meal, -----	5694
5.90	5-7	7.32	5.5-7	40 00	-----	Linseed oil meal, -----	5236
5.30	5-7	7.30	5.5-7	2 00	-----	Linseed oil meal, -----	5502
5.78	-----	7.58	-----	41 70	-----		
7.03	6.00	7.92	10.00	41 00	-----	Linseed oil meal, -----	6150
6.17	8.00	8.50	8.00	38 00	-----	Linseed oil meal, -----	5268
6.50	5-7	7.25	7-10	42 00	-----	Linseed oil meal, -----	6004
5.93	5-7	8.00	5-7	2 50	-----	Linseed oil meal, -----	5360
6.90	5-7	8.47	6-10	40 00	-----	Linseed oil meal, -----	5940
8.98	5-7	8.10	6-10	1 65	Made from kiln dried seed.	As certified, -----	5548
7.94	-----	8.29	-----	36 50	-----		
9.68	8.00	6.30	9.00	2 00	-----	Linseed oil meal, -----	6188
6.50	5-7	10.02	2-10	2 00	-----	Linseed oil meal, -----	5969
6.58	5-7	9.67	2-10	42 00	-----	Linseed oil meal, -----	6053
5.65	5-7	9.20	2-10	2 00	-----	Linseed oil meal, -----	5905
7.10	5-7	8.70	2-10	2 00	-----	Linseed oil meal, -----	5523
5.78	5-7	9.27	2-10	42 00	-----	Linseed oil meal, -----	6061
6.65	5-7	9.42	2-10	2 50	-----	Linseed oil meal, -----	6161
6.08	5-7	8.15	2-10	1 90	-----	Linseed oil meal, -----	5270
6.58	5-7	8.87	2-10	1 85	-----	Linseed oil meal, -----	6011
6.75	5-7	9.27	2-10	2 20	-----	Linseed oil meal, -----	6172

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
5716	----- The Guy G. Major Co., Toledo, Ohio.	New Castle, P. Wagner & Son.	514	Per ct. 9.03	Per ct. 29.31	Per ct. 30-36
		Average, -----		8.85	31.46	-----
5901	----- The Mann Bros. Co., Buffalo, N. Y.	Bloomsburg, R. R. Ikler, --	63	8.08	36.44	34-37
5247	----- "Pure," The Mann Bros. Co., Buffalo, N. Y.	Palmyra, The Londonderry Mills.	47	8.91	38.38	34-37
		Average, -----		8.49	37.41	-----
5395	----- The Metzger Seed and Oil Co., Toledo, Ohio.	York, Anderson Bros. Co.,	193	8.94	34.31	30-36
5895	----- The Metzger Seed and Oil Co., Toledo, Ohio.	Oil City, Clyde D. Duffee,	632	8.26	31.56	30-36
5486	----- The Metzger Seed and Oil Co., Toledo, Ohio.	Warren, T. N. Dunham, --	284	10.11	34.25	30-36
5787	----- The Metzger Seed and Oil Co., Toledo, Ohio.	Somerset, John G. Emert,	557	8.72	33.94	30-36
6073	----- The Metzger Seed and Oil Co., Toledo, Ohio.	Lansdale, A. C. Godshall & Co., Inc.	775	7.84	32.38	30-36
5443	----- The Metzger Seed and Oil Co., Toledo, Ohio.	New Brighton, J. H. Hornby & Sons.	241	8.27	36.00	30-36
5946	----- The Metzger Seed and Oil Co., Toledo, Ohio.	Franklin, Johnson & Co.,	662	8.95	32.63	30-36
5748	----- The Metzger Seed and Oil Co., Toledo, Ohio.	Brookville, Kline's Flour and Feed Mill.	530	8.38	29.44	30-36
5840	----- The Metzger Seed and Oil Co., Toledo, Ohio.	Sharon, J. M. Porter, ---	577	8.60	37.69	30-36
		Average, -----		8.67	33.58	-----
5264	----- Midland Linseed Co., Minneapolis, Minn.	Zelienople, Fred Zehner, --	62	10.10	37.25	32.00
5947	----- National Lead and Oil Co., Pittsburg, Pa.	Franklin, J. H. Lavery, ---	663	8.01	36.06	32.00
5862	----- Red Wing Linseed Co., Red Wing, Minn.	Canonsburg, Canonsburg Milling Co.	599	8.14	35.50	30.00
6029	----- The Sherwin-Williams Co., Cleveland, Ohio.	Erie, W. J. Carroll, -----	731	9.50	38.38	33.00
6169	----- The Sherwin-Williams Co., Cleveland, Ohio.	MeVeytown, John T. Rodgers.	871	9.40	38.13	33.00
		Average, -----		9.45	38.26	-----
5499	----- Speneer Milling Co., Minneapolis, Minn.	St. Marys, Hall Kaul & Hyde Co.	297	8.98	36.25	32-38
5344	----- Thompson & Co., Allegheny, Pa.	Mt. Pleasant, J. H. Brown & Son.	142	8.90	33.69	32-37.5
5848	----- Thompson & Co., Allegheny, Pa.	Washington, D. P. Hart,---	585	8.54	28.44	32-37.5
5356	----- Thompson & Co., Allegheny, Pa.	Uniontown, King Bros., --	154	9.23	36.25	32-37.5
5774	----- Thompson & Co., Allegheny, Pa.	Altoona, Martin & Co., --	544	7.58	35.81	32-37.5
6200	----- Thompson & Co., Allegheny, Pa.	Pittsburg, Daniel McCaffrey's Sons Co.	902	9.94	35.44	32-37.5
5697	----- Thompson & Co., Allegheny, Pa.	Blairsville, George J. New,	495	7.98	35.75	32-37.5
		Average, -----		8.69	34.23	-----
		Total average, -----		8.88	35.31	-----

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 5.95	Per ct. 5-7	Per ct. 9.60	Per ct. 2-10	\$1 90		Linseed oil meal, -----	5716
6.36	-----	9.21	-----	41 00			
7.70	6-7	8.50	5-10	2 00		Linseed oil meal, -----	5901
6.78	6-7	7.52	5-10	2 00		Linseed oil meal, -----	5247
7.24	-----	8.01	-----	40 00			
6.45	5-7	7.60	2-10	2 00		Linseed oil meal, -----	5395
6.85	5-7	9.07	2-10	2 00		Linseed oil meal, -----	5895
6.18	5-7	8.25	2-10	42 00		Linseed oil meal, -----	5480
6.23	5-7	8.40	2-10	2 00		Linseed oil meal, -----	5787
6.55	5-7	8.72	2-10	42 00		Linseed oil meal, -----	6073
6.73	5-7	7.52	2-10	1 80		Linseed oil meal, -----	5442
6.60	5-7	8.07	2-10	2 25		Linseed oil meal, -----	5946
7.33	5-7	9.00	2-10	2 00		Linseed oil meal, -----	5748
5.95	5-7	8.35	2-10	1 80		Linseed oil meal, -----	5840
6.54	-----	8.46	-----	40 11			
6.55	6.00	7.12	8.50	40 00		Linseed oil meal, -----	5264
7.33	5.20	8.45	8.90	2 25		Linseed oil meal, -----	5947
7.53	6.00	7.10	9.00	39 00		Linseed oil meal, -----	5862
6.18	6.00	7.45	8.00	2 10		Linseed oil meal, -----	6025
6.50	6.00	9.10	8.00	2 35		Linseed oil meal, -----	6169
6.34	-----	8.27	-----	44 50			
6.55	6-8	7.95	9-11	2 50		Linseed oil meal, -----	5499
6.10	5.5-8.5	8.85	6-11	2 25		Linseed oil meal, -----	5344
6.85	5.5-8.5	9.65	6-11	2 25		Linseed oil meal, -----	5848
7.50	5.5-8.5	7.35	6-11	2 25		Linseed oil meal, -----	5356
6.13	5.5-8.5	7.87	6-11	2 50		Linseed oil meal, -----	5774
6.53	5.5-8.5	8.15	6-11	42 00		Linseed oil meal, -----	6200
6.78	5.5-8.5	7.67	6-11	2 15		Linseed oil meal, -----	5697
6.65	-----	8.25	-----	45 00			
6.46	-----	8.17	-----	41 72			

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
	Linseed Meal with Admixtures.					
5921	Old Process Laxo-Cake, Laxo-Cake Meal Co., Chicago, Ill.	Carnegie, C. A. Foster, --	649	Per ct. 7.58	Per ct. 29.75	Per ct. 25-28
5471	Old Process Laxo-Cake, Laxo-Cake Meal Co., Chicago, Ill.	Parnassus, Johnston & Hamilton.	269	8.32	25.25	25-28
5915	Old Process Laxo-Cake, Laxo-Cake Meal Co., Chicago, Ill.	McKeesport, Keystone Commercial Co.	643	8.53	27.38	25-28
		Average, -----		8.14	27.46	-----
	Corn Oil Meal.					
5398	Maizo, Chas. A. Krause Milling Co., Milwaukee, Wis.	York, F. Z. Stauffer, ---	196	6.60	14.50	16.00
	DISTILLERY & BREWERY BY-PRODUCTS.					
	Distillers' Grains.					
5287	Ajax Flakes, Ajax Milling and Feed Co., New York, N. Y.	Lancaster, John W. Eshelman.	85	6.15	31.31	30-33
5466	Ajax Flakes, Ajax Milling and Feed Co., New York, N. Y.	Kittanning, J. A. Gault Co.	264	5.73	31.94	30-33
5821	Ajax Flakes, Ajax Milling and Feed Co., New York, N. Y.	Mechanicsburg, A. B. Harnish.	50	5.88	28.88	27.00
6060	Ajax Flakes, Ajax Milling and Feed Co., New York, N. Y.	Chalfont, F. D. Hartzel's Sons.	702	5.54	32.31	30-33
6141	Ajax Flakes, Ajax Milling and Feed Co., New York, N. Y.	Elizabethtown, E. H. Lehman.	843	5.45	30.56	30-33
6115	Ajax Flakes, Ajax Milling and Feed Co., New York, N. Y.	Chester, T. Frank McCall,	817	6.77	30.00	30-33
6131	Ajax Flakes, Ajax Milling and Feed Co., New York, N. Y.	Elizabethtown, A. W. Martin.	833	6.14	29.69	25-33
5797	Ajax Flakes, Ajax Milling and Feed Co., New York, N. Y.	Leesport, J. A. Rieser, ---	33	6.32	30.50	30-33
5819	Ajax Flakes, Ajax Milling and Feed Co., New York, N. Y.	Newville, S. E. Shenk, ----	48	6.25	30.06	31-33

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 8.20	Per ct. 8-10	Per ct. 9.25	Per ct. 7-11	\$40 00	Unscreened flaxseed from which the ordinary field weed seeds such as little buckwheat, foxtail, mustard, pig weed, rape, bind weed, etc., have not been separated and is thoroughly cooked and sterilized.	As certified, -----	5921
8.73	8-10	9.57	7-11	38 00	Unscreened flaxseed from which the ordinary field weed seeds such as little buckwheat, foxtail, mustard, pig weed, rape, bind weed, etc., have not been separated and is thoroughly cooked and sterilized.	As certified, -----	5471
8.15	8-10	9.67	7-11	2 50	Unscreened flaxseed from which the ordinary field weed seeds such as little buckwheat, foxtail, mustard, pig weed, rape, bind weed, etc., have not been separated and is thoroughly cooked and sterilized.	As certified, -----	5915
8.36	-----	9.49	-----	42 67			
9.35	8.00	5.95	5.00	1 40	A pure corn product, ---	As certified, -----	5398
15.05	11-14	12.15	12-14	31 00	-----	Distillers' grains, (largely from corn).	5287
13.68	11-14	12.40	12-14	1 60	-----	Distillers' grains (largely from corn).	5466
12.50	12-14	11.67	14.00	32 00	-----	Distillers' grains (largely from corn).	5821
13.23	11.00	12.12	12-14	31 50	-----	Distillers' grains (largely from corn).	6060
14.80	11-14	12.95	12-14	30 00	-----	Distillers' grains (largely from corn).	6141
14.13	11-14	12.60	12-14	34 00	-----	Distillers' grains (largely from corn).	6115
11.28	8-11	12.15	12-20	1 50	-----	Distillers' grains (largely from corn).	6131
13.70	11-14	11.45	12-14	30 00	-----	Distillers' grains (largely from corn).	5799
13.13	12.00	11.07	12-14	32 00	-----	Distillers' grains (largely from corn).	5819

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
6003	Ajax Flakes, Ajax Milling and Feed Co., New York, N. Y.	Meadville, Sherman Milling Co.	705	Per et. 6.56	Per et. 30.31	Per et. 30-33
		Average, -----		6.07	30.56	-----
6026	Fourex Grains, The J. W. Biles Co., Cincinnati, Ohio.	Erie, A. P. Allen, -----	728	4.89	33.31	31.00
5643	Fourex Grains, The J. W. Biles Co., Cincinnati, Ohio.	Wellsboro, George C. and F. A. Brooks.	441	8.74	31.63	31.00
		Average, -----		6.81	32.47	-----
5425	"Goodrich," The J. W. Biles Co., Cincinnati, Ohio.	Coatesville, P. D. Handwork Co., Ltd.	223	7.31	28.25	27-30
5640	Corn, Three "D," The Dewey Bros. Co., Lancaster, Ohio.	Wellsboro, Equity Co-Operative Exchange.	438	13.62	25.32	26-33
5456	Corn, Three "D," The Dewey Bros. Co., Lancaster, Ohio.	Apollo, L. Todd Owens, --	254	9.61	27.19	26-32
		Average, -----		11.61	26.26	-----
6031	"Hector's," The Hottelet Co., Milwaukee, Wis.	Corry, W. A. Dodd, -----	733	5.79	26.63	30-32
5629	"Husted," Husted Milling Co., Buffalo, N. Y.	Troy, H. M. Spalding & Son.	427	8.61	29.19	30-32
		Average, -----		7.20	27.91	-----
		Total average, -----		7.02	29.87	-----
5457	Buckeye Gluten Feed, The Dewey Bros. Co., Lancaster, Ohio.	Apollo, L. Todd Owens, --	255	9.36	20.31	20.00
5271	Queen, Three "D," The Dewey Bros. Co., Lancaster, Ohio.	Slippery Rock, C. S. Schrubb.	69	5.71	17.94	18.36
5823	Highspire Feed, The Highspire Distillery Co., Ltd., Highspire, Pa.	Mechanicsburg, Miller & Eurich.	52	6.17	17.63	16.50
5681	Pure Rye, Thompson Distilling Co., West Brownsville, Pa.	Wilkinsburg, Johnston & Smith.	479	7.09	16.09	14.00
	Brewers' Grains.	Average, -----		7.08	18.14	-----
5736	----- Anheuser-Busch Brewing Association, St. Louis, Mo.	Ulster, O. F. Ayer, -----	13	7.76	26.75	22-28
5426	----- Anheuser-Busch Brewing Association, St. Louis, Mo.	Coatesville, P. D. Handwork Co., Ltd.	224	8.18	26.19	22-28
		Average, -----		7.97	26.47	-----
5420	----- Atlantic Export Co. of Wisconsin, Chicago, Ill.	West Chester, E. D. Hemp-hill.	218	5.88	33.25	25.00
6045	M. F. Baringer, Philadelphia, Pa.	Doylestown, J. W. Stilwagon & Son.	747	6.51	29.13	25.00
5633	"Midland," The J. W. Biles Co., Cincinnati, Ohio.	Troy, Snedeker & Mitchell.	431	6.99	27.06	23.00
5260	----- Conemaugh Brewing Co., Conemaugh, Pa.	Johnstown, Swope Bros.,---	60	4.75	28.56	22.00

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 13.95	Per ct. 11-14	Per ct. 11.90	Per ct. 12-14	\$32 00	-----	Distillers' grains (largely from corn).	6002
13.55	-----	12.04	-----	31 45			
15.18	12.00	9.90	13.00	32 00	Distillers' dried grains, --	Distillers' grains (largely from corn).	6026
13.10	12.00	11.87	13.00	28 50	Distillers' dried grains, --	Distillers' grains (largely from corn).	5642
14.14	-----	10.88	-----	30 25			
11.60	8-12	11.20	12-14	30 00	Distillers' dried grains, --	Distillers' grains (largely from corn).	5425
16.62	9-14	7.80	8-13	30 00	Distillers' dried grains, --	Distillers' grains (largely from corn).	5640
13.63	9-14	8.20	8-14	31 00	Distillers' dried grains, --	Distillers' grains (largely from corn).	5456
15.12	-----	8.00	-----	30 50			
10.10	10-12	9.80	14.00	32 00	-----	Distillers' grains (largely from corn).	6031
13.25	8-10	10.50	9-11	1 25	-----	Distillers' grains (largely from corn).	5622
11.68	-----	10.15	-----	\$28.50			
13.47	-----	11.16	-----	30 76			
6.95	5.00	12.12	15.00	26 00	-----	Distillers' grains (largely from rye).	5457
9.93	4-9	15.60	8-15	1 50	Distillers' dried grains, --	Distillers' grains from rye.	5271
12.50	9.59	11.95	13.75	20 00	-----	Distillers' grains from rye.	5822
9.43	7.00	13.27	14.00	1 25	Pure rye grains, -----	As certified (small amount of barley residue present).	5681
9.70	-----	13.23	-----	30 25			
7.03	6-8	13.00	13-16	26 00	Steam dried brewers' grains.	As certified, -----	5736
7.40	6-8	13.70	13-16	27 00	Steam dried brewers' grains.	As certified, -----	5426
7.22	-----	13.35	-----	26 50			
7.35	6.00	13.32	15.00	24 00	Dried brewers' grains, ---	As certified, -----	5420
7.98	6.00	13.00	15.00	27 00	-----	Brewers' dried grains, --	6045
7.10	7.00	14.72	-----	1 25	-----	Brewers' dried grains, --	5633
7.63	6.50	13.80	17.00	1 25	-----	Brewers' dried grains, --	5260

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
5419	Holstein, The Hottel Co., Milwaukee, Wis.	West Chester, O. C. Hipple & Son.	217	Per ct. 4.06	Per ct. 26.75	Per ct. 25-27
5417	Holstein, The Hottel Co., Milwaukee, Wis.	Kennet Square, W. H. Walker & Co.	215	4.90	25.69	25-27
		Average, -----		4.46	26.22	-----
5991	----- Independent Brewing Co. of Pittsburg, Pittsburg, Pa.	Braddock, Braddock Feed Co.	696	6.34	27.19	20.00
5254	----- Johnstown Dry Grains Co., Johnstown, Pa.	Johnstown, G. Bostert & Son.	54	5.16	28.88	24.00
6063	----- Wm. J. Leimp Brewing Co., St. Louis, Mo.	Chalfont, F. D. Hartzel's Sons.	765	6.69	33.44	-----
5995	----- Masontown Brewing Co., Masontown, Pa.	Braddock, Braddock Feed Co.	697	6.37	26.44	-----
5690	----- New Kensington Brewing Co., New Kensington, Pa.	Wilkinsburg, Wilkinsburg Milling Co.	488	8.49	26.69	-----
5680	"I. C. B.," Pittsburg Brewing Co., Pittsburg, Pa.	Wilkinsburg, Johnston & Smith.	478	7.74	26.38	25.00
5992	----- Pittsburg Brewing Co., Pittsburg, Pa.	Braddock, Marriott & Sons.	694	8.20	24.50	24-27
		Average, -----		7.97	25.44	-----
5798	Cas-Protein, Pottsville Feed Co., Pottsville, Pa.	Leesport, J. A. Rieser, ---	34	7.13	26.88	-----
6086	Durham, M. C. Rankin & Co., Milwaukee, Wis.	West Point, L. W. Mat-tern.	788	7.42	29.13	24-26
6052	"Pilsner," Rosekrans-Snyder Co., Philadelphia, Pa.	Doylestown, Henry S. Beid-ler.	754	5.75	28.88	25.00
5427	"Pilsner," Rosekrans-Snyder Co., Philadelphia, Pa.	Coatesville, P. D. Hand-work Co., Ltd.	225	5.95	27.38	25.00
6096	"Pilsner," Rosekrans-Snyder Co., Philadelphia, Pa.	West Point, Heebner & Kriebel.	798	6.85	27.69	25.00
6105	"Pilsner," Rosekrans-Snyder Co., Philadelphia, Pa.	Hatfield, George S. Snyder Estate.	807	5.36	27.94	25.00
		Average, -----		5.97	27.97	-----
5432	"Schlitz Purity," Jos. Schlitz Brewing Co., Milwaukee, Wis.	Atglen, W. S. Hastings & Son.	230	6.48	28.44	26.00
6065	"Schlitz Purity," Jos. Schlitz Brewing Co., Milwaukee, Wis.	Cohuar, C. R. Rosenberger,	767	6.85	27.00	26.00
		Average, -----		6.66	27.72	-----
5724	----- Stegmaier Brewing Co., Wilkes-Barre, Pa.	Towanda, F. H. Hager-man.	1	8.16	28.13	23.70
6124	"Pure," O. W. Wagar & Co., Philadelphia, Pa.	Ambler, J. Watson Craft,	826	6.10	27.06	24.00
	Malt Sprouts.	Total average, -----		6.56	27.82	-----
6064	----- M. F. Baringer, Phil-adelphia, Pa.	Chalfont, F. D. Hartzel's Sons.	766	7.46	24.25	25.00
6097	----- M. F. Baringer, Phil-adelphia, Pa.	West Point, Heebner & Kriebel.	799	7.38	28.56	25.00
6106	----- M. F. Baringer, Phil-adelphia, Pa.	Hatfield, George S. Snyder Estate.	808	7.45	26.94	25.00
		Average, -----		7.43	26.58	-----

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 8.28	Per ct. 5-7	Per ct. 15.87	Per ct. 14-17	\$25 00	Dried brewers' grains, ---	As certified, -----	5416
7.50	5-7	16.05	14-17	26 50	Dried brewers' grains, ---	As certified, -----	5417
7.89	-----	15.96	-----	25 75			
7.58	5.00	13.77	18.00	1 20	Made from malt, wheat and rice.	As certified, -----	5914
7.60	6.71	14.70	15.66	1 30	-----	Brewers' dried grains, --	5254
7.43	-----	10.87	-----	1 35	-----	Brewers' dried grains, --	6065
7.90	-----	15.25	-----	1 20	-----	Brewers' dried grains, --	5995
7.30	-----	13.47	-----	24 00	-----	Brewers' dried grains, --	5690
8.00	7.50	13.95	14.00	1 50	-----	Brewers' dried grains, --	5680
8.35	5.5-7.5	15.00	17.59	1 40	-----	Brewers' dried grains, --	5992
8.18	-----	14.47	-----	29 00			
8.50	-----	16.05	-----	21 60	-----	Brewers' dried grains, --	5798
6.80	6.00	14.12	16.00	27 00	-----	Brewers' dried grains, --	6086
7.73	5.00	13.12	18.00	29 00	-----	Brewers' dried grains, --	6052
7.65	5.00	12.72	18.00	27 00	Brewers' dried grains, ---	As certified, -----	5427
7.25	5.00	12.35	18.00	28 00	-----	Brewers' dried grains, --	6096
7.53	5.00	14.95	18.00	28 00	-----	Brewers' dried grains, --	6105
7.54	-----	13.28	-----	28 00			
7.23	6.00	13.90	14.00	27 00	Dried grains, -----	Brewers' dried grains, --	5432
6.50	6.00	14.37	14.00	28 00	-----	Brewers' dried grains, --	6065
6.87	-----	14.14	-----	27 50			
7.78	6.30	12.15	16.25	23 00	-----	Brewers' dried grains, --	5724
8.23	6.00	15.42	15.00	1 45	-----	Brewers' dried grains, --	6124
7.59	-----	13.98	-----	26 24			
2.95	2.00	12.10	11.00	25 50	-----	Malt sprouts, -----	6064
3.10	1.60	11.92	13.00	26 00	-----	Malt sprouts, -----	6097
2.73	1.60	13.80	13.00	1 35	-----	Malt sprouts, -----	6106
2.93	-----	12.60	-----	26.17			

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
6024	----- Francis Duhne, Jr., Milwaukee, Wis.	Eric, A. P. Allen, -----	726	Per ct. 7.49	Per ct. 24.44	Per ct. 25.06
6116	----- Francis Duhne, Jr., Milwaukee, Wis.	Chester, T. Frank McCall,	818	7.35	24.06	25.96
5802	----- Francis Duhne, Jr., Milwaukee, Wis.	Wernersville, George W. Wertz.	38	8.62	26.75	25.00
		Average, -----		7.82	25.08	-----
6028	----- Frazer-Smith Co., Minneapolis, Minn.	Erie, A. P. Allen, -----	730	6.43	23.50	20-25
		Total average, -----		7.45	25.50	-----
MAIZE BY-PRODUCTS.						
Gluten Feed.						
5934	Cream of Corn, American Maize Products Co., Roby, Indiana.	South Bethlehem, C. C. Lynn & Co.	81	7.71	26.25	23-25
5553	Clinton, Clinton Sugar Re- fining Co., Clinton, Iowa.	Clearfield, J. W. Eberts,--	351	8.36	28.13	20-25
5507	Clinton, Clinton Sugar Re- fining Co., Clinton, Iowa.	Smethport, F. A. Green, --	305	8.44	22.25	20-25
5431	Clinton, Clinton Sugar Re- fining Co., Clinton, Iowa.	Atglen, W. S. Hastings & Son.	229	8.21	26.38	20-25
5930	Clinton, Clinton Sugar Re- fining Co., Clinton, Iowa.	Allentown, H. N. Schleifer,	77	9.51	26.19	20-25
6101	Clinton, Clinton Sugar Re- fining Co., Clinton, Iowa.	Hatfield, George S. Snyder Estate.	803	9.25	23.31	20-25
5233	Clinton, Clinton Sugar Re- fining Co., Clinton, Iowa.	Palmyra, A. S. Stauffer,	33	7.76	27.94	20-25
5324	Clinton, Clinton Sugar Re- fining Co., Clinton, Iowa.	Kinzer, E. E. and W. J. L. Walker.	122	9.02	26.19	20-25
6147	Clinton, Clinton Sugar Re- fining Co., Clinton, Iowa.	Quarryville, J. F. Weaver,	849	8.99	26.88	20-25
		Average, -----		8.69	25.91	-----
5864	Buffalo, Corn Products Re- fining Co., New York, N. Y.	Canonsburg, Canonsburg Milling Co.	601	8.51	28.44	23-25
6034	Buffalo, Corn Products Re- fining Co., New York, N. Y.	Corry, W. A. Dodd, -----	736	8.72	27.81	23-25
5627	Buffalo, Corn Products Re- fining Co., New York, N. Y.	Muncy, Eaker & Virmilya,	425	8.14	25.38	24-27
5294	Buffalo, Corn Products Re- fining Co., New York, N. Y.	Lancaster, John W. Eshel- man.	92	8.36	25.75	24-27
5510	Buffalo, Corn Products Re- fining Co., New York, N. Y.	Bradford, L. A. Fischer & Co.	308	6.84	23.50	23-25
5762	Buffalo, Corn Products Re- fining Co., New York, N. Y.	Forest City, Forest City Milling and Supply Co.	25	9.29	26.81	23-25
5920	Buffalo, Corn Products Re- fining Co., New York, N. Y.	Carnegie, C. A. Foster, --	648	9.28	27.19	23-25
5428	Buffalo, Corn Products Re- fining Co., New York, N. Y.	Coatesville, P. D. Hand- work Co., Ltd.	226	8.48	26.56	24-27
5703	Buffalo, Corn Products Re- fining Co., New York, N. Y.	Indiana, Hetrick & Wil- son.	501	8.46	26.31	23-25

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
3.05	2.00	12.35	11.00	\$26 00	-----	Malt sprouts, -----	6024
3.05	2.00	13.77	11.00	27 00	-----	Malt sprouts, a large proportion of barley hulls and chaff and a small amount of weed seeds.	6116
3.75	2.00	11.87	11.00	25 00	-----	Malt sprouts and a considerable amount of bind weed.	5802
3.28	-----	12.66	-----	26 00	-----		
2.65	1-3	14.72	5-30	27 00	-----	Malt sprouts, -----	6028
3.04	-----	12.07	-----	26 21	-----		
3.55	2.50	6.57	8.50	1 50	-----	Gluten feed, -----	5934
4.63	3.60	7.40	7.50	1 50	-----	Gluten feed, -----	5553
6.13	3.00	6.62	7.50	29 00	-----	Gluten feed, -----	5507
4.88	3.00	7.30	8.00	27 00	-----	Gluten feed, -----	5431
4.40	3.00	6.87	8.00	1 50	-----	Gluten feed, -----	5930
3.50	3.00	6.07	7.50	1 50	-----	Gluten feed, -----	6101
6.45	3.00	7.20	7.50	28 00	-----	Gluten feed, -----	5233
6.68	3.00	7.00	7.50	28 50	-----	Gluten feed, -----	5324
4.25	3.00	7.30	7.50	30 60	-----	Gluten feed, -----	6147
5.12	-----	6.97	-----	29 05	-----		
3.43	2.50	6.60	8.50	30 00	-----	Gluten feed, -----	5864
3.18	2.50	6.57	8.50	31 00	-----	Gluten feed, -----	6034
4.05	2.50	6.75	8.50	1 40	Colored with No. 85 orange I and No. 4 Napthol Yellow "S."	Gluten feed, colored, --	5627
3.28	2.50	6.15	8.50	26 75	-----	Gluten feed, colored, --	5294
3.90	2.50	8.05	8.50	1 45	-----	Gluten feed, -----	5510
2.96	2.50	6.70	8.50	28 00	-----	Gluten feed, -----	5762
3.80	2.50	6.30	8.50	30 00	-----	Gluten feed, -----	5920
3.55	2.50	6.60	8.50	27 00	-----	Gluten feed, -----	5428
2.35	2.50	6.95	8.50	28 00	-----	Gluten feed, -----	5703

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
5444	Buffalo, Corn Products Refining Co., New York, N. Y.	New Brighton, J. H. Hornby & Sons.	242	Per ct. 8.47	Per ct. 29.00	Per ct. 23-25
5838	Buffalo, Corn Products Refining Co., New York, N. Y.	Greenville, Mathers Bros.,--	575	8.27	28.13	23-25
6146	Buffalo, Corn Products Refining Co., New York, N. Y.	Rohrerstown, Miller & Bushong.	848	10.03	29.38	23-25
5378	Buffalo, Corn Products Refining Co., New York, N. Y.	Charleroi, R. C. Mountser.	176	9.10	28.50	23-25
5316	Buffalo, Corn Products Refining Co., New York, N. Y.	Manheim, F. K. Nauman,	114	8.55	26.38	24-27
5262	Buffalo, Corn Products Refining Co., New York, N. Y.	New Providence, J. F. Weaver.	K 1	7.20	27.06	24-27
5263	Buffalo, Corn Products Refining Co., New York, N. Y.	New Providence, J. F. Weaver.	K 2	8.12	27.63	24-27
6022	Buffalo, Corn Products Refining Co., New York, N. Y.	Erie, Weddige Bros., -----	724	8.32	27.88	23-25
5242	Buffalo, Corn Products Refining Co., New York, N. Y.	Prescott, Ephraim Zugg,--	42	7.35	27.94	24-27
		Average, -----		8.41	27.17	-----
5932	Cedar Rapids, Douglas & Co., Cedar Rapids, Iowa.	Bethlehem, Diamond Roller Mills.	79	9.47	23.38	20-25
5726	Cedar Rapids, Douglas & Co., Cedar Rapids, Iowa.	Towanda, F. H. Hagerman.	3	8.56	21.13	22.00
5667	Cedar Rapids, Douglas & Co., Cedar Rapids, Iowa.	Sunbury, Kift Milling Co.,	465	7.40	19.00	22.00
6009	Cedar Rapids, Douglas & Co., Cedar Rapids, Iowa.	Linesville, Linesville Milling Co.	711	8.56	21.28	22.00
5721	Cedar Rapids, Douglas & Co., Cedar Rapids, Iowa.	Elwood City, J. P. Morison.	519	6.64	21.19	22.00
5839	Cedar Rapids, Douglas & Co., Cedar Rapids, Iowa.	Sharpsville, Wheeler & Mehler.	576	6.70	21.06	22.00
		Average, -----		7.88	21.19	-----
6142	Conestoga Choice Yellow, Jonas F. Eby & Son, Lancaster, Pa.	Elizabethtown, E. H. Lehman.	844	9.26	22.19	23.00
6130	Conestoga Choice Yellow, Jonas F. Eby & Son, Lancaster, Pa.	Elizabethtown, A. W. Martin.	832	10.54	23.25	20.00
		Average, -----		9.90	22.72	-----
5488	K. K. K., J. C. Hubinger Bros. Co., Keokuk, Iowa.	Warren, T. M. Dunham,--	286	8.27	22.94	23.00
5622	K. K. K., J. C. Hubinger Bros. Co., Keokuk, Iowa.	Williamsport, John T. Stahlnecker.	426	7.29	22.56	23.00
		Average, -----		7.78	22.75	-----
6095	Jenks, Huron Milling Co., Harbor Beach, Mich.	West Point, Heebner & Kriebel.	797	9.56	23.00	23-25
6088	Jenks, Rosekrans-Snyder Co., Philadelphia, Pa.	West Point, L. W. Mat-tern.	790	9.16	23.09	23-25
		Average, -----		9.36	23.35	-----

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 3.43	Per ct. 2.50	Per ct. 7.05	Per ct. 8.50	\$1 30		Gluten feed, -----	5444
2.50	2.50	6.62	8.50	1 30		Gluten feed, -----	5838
3.75	2.50	6.05	8.50	31 00		Gluten feed, -----	6146
2.80	2.50	6.55	8.50	29 00		Gluten feed, -----	5378
3.90	2.50	6.30	8.50	30 00	Colored with No. 85, Orange I and No. 4 Naphthol Yellow "S."	Gluten feed, colored, --	5316
2.96	2.50	6.15	8.50	26 00	Colored with No. 85, Orange I and No. 4 Naphthol Yellow "S."	Gluten feed, colored, --	5262
4.30	2.50	5.56	8.50	26 00	Colored with No. 85, Orange I and No. 4 Naphthol Yellow "S."	Gluten feed, colored, --	5263
3.15	2.50	6.20	8.50	1 50		Gluten feed, -----	6022
2.50	2.50	6.65	8.50	27 00	Colored with No. 85, Orange I and No. 4 Naphthol Yellow "S."	Gluten feed, colored, --	5242
3.32		6.54		28 26			
4.15	3.00	7.75	8.00	1 50		Gluten feed, -----	5932
2.67	4.00	6.55	8.00	25 50		Gluten feed, -----	5726
5.03	4.00	7.25	8.00	1 40		Gluten feed, -----	5667
2.67	4.00	5.32	8.00	1 50		Gluten feed, -----	6009
2.90	4.00	6.32	8.00	1 40		Gluten feed, -----	5721
2.99	4.00	6.47	8.00	1 45		Gluten feed, -----	5839
3.40		6.61		28 41			
3.68	4.00	6.90	7.00	30 00		Gluten feed, -----	6142
3.40	2.00	6.47	9.00	1 50		Gluten feed, -----	6130
3.54		6.68		30 00			
5.47	2.00	6.75	7.00	30 00	Artificially colored with aniline.	Gluten feed, colored, --	5485
4.43	2.00	7.65	7.50	1 40	Artificially colored with aniline.	Gluten feed, colored, --	5622
4.95		7.20		29 00			
5.28	3.00	6.92	8 00	31 00	Colored with No. 4 Nap- thol Yellow S and No. 85 Orange.	Gluten feed, colored, --	6095
5.68	3.00	6.37	5.00	31 00	Colored with No. 4 Nap- thol Yellow S and No. 85 Orange.	Gluten feed, colored, --	6088
5.48		6.64		31 00			

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
6074	----- Keever Starch Co., Columbus, Ohio.	Lansdale, A. C. Godshall & Co., Inc.	776	Per ct. 7.03	Per ct. 20.44	-----
6127	Hoosier, Piel Bros. Starch Co., Indianapolis, Ind.	Ambler, J. Watson Craft,	829	8.24	25.31	14-16
5708	"P. Bros.," Piel Bros. Starch Co., Indianapolis, Ind.	New Castle, Fisher & Mingle.	506	8.83	24.50	21-23
5249	----- Piel Bros. Starch Co., Indianapolis, Ind.	Palmyra, The Londonderry Mills.	49	7.90	22.44	21-23
		Average, -----		8.36	23.47	-----
6069	"Cream of Corn," C. W. Wager & Co., Philadelphia, Pa.	Colmar, C. R. Rosenberger,	771	6.81	25.50	23-25
	Hominy Feed.	Total average, -----		8.38	25.13	-----
5318	"Purity," American Rice and Cereal Co., Keokuk, Iowa.	Lititz, Elmer Eby, -----	116	8.00	10.63	10.00
5833	"Pearl," E. I. Bailey, Cleveland, Ohio.	Greenville, Hecker & Reid,	570	9.18	11.50	10.26
5315	----- M. F. Baringer, Philadelphia, Pa.	Manheim, F. K. Nauman,	113	11.14	11.00	9.00
6165	----- M. F. Baringer, Philadelphia, Pa.	MeVeytown, John T. Rodgers.	867	8.55	11.31	9.00
6043	----- M. F. Baringer, Philadelphia, Pa.	Doylestown, J. W. Stillwagon & Son.	745	10.38	10.69	9.00
5800	----- M. F. Baringer, Philadelphia, Pa.	Womelsdorf, Womelsdorf Roller Mills.	36	9.07	10.81	9.00
5243	----- M. F. Baringer, Philadelphia, Pa.	Preseott, Ephraim Zug, --	43	11.49	9.88	9.00
		Average, -----		10.24	10.74	-----
5394	Evans, Evans Milling Co., Indianapolis, Ind.	York, Anderson Bros. Co.,	192	9.44	10.75	10.00
6172	Evans, Evans Milling Co., Indianapolis, Ind.	MeVeytown, W. M. Atkinson.	874	10.70	10.50	10.00
6010	Evans, Evans Milling Co., Indianapolis, Ind.	Linesville, Linesville Mill-lug Co.	712	9.00	10.94	10.00
5675	Evans, Evans Milling Co., Indianapolis, Ind.	Milton, C. H. Mahan, ---	473	9.30	10.75	10.00
		Average, -----		9.61	10.74	-----
5396	Badger, Chas. A. Kraus Milling Co., Milwaukee, Wis.	York, Anderson Bros. Co.,	194	9.88	10.81	10.00
5411	Badger, Chas. A. Krause Milling Co., Milwaukee, Wis.	West Grove, S. K. Chambers & Bro.	209	7.28	12.00	10.00
6132	Badger, Chas. A. Krause Milling Co., Milwaukee, Wis.	Elizabethtown, A. W. Martin.	834	9.84	11.69	9.00
5385	Badger, Chas. A. Krause Milling Co., Milwaukee, Wis.	York, H. H. Smyser, ---	183	8.23	10.75	9.00
5413	Badger, Chas. A. Krause Milling Co., Milwaukee, Wis.	Kennett Square, W. H. Walker & Co.	211	9.56	12.81	10.00
		Average, -----		8.95	11.61	-----

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.73	Per ct. -----	Per ct. 6.00	Per ct. -----	\$1.55	-----	Gluten feed, ,-----	6074
4.63	2.00	7.47	8.00	1 65	Artificially colored occasionally with Orange No. 122.	Gluten feed, colored, --	6127
3.80	2.00	6.87	8.00	30 00	Artificially colored occasionally with Orange No. 122.	Gluten feed, colored, --	5708
4.90	2.00	7.00	8.00	28 00	Artificially colored occasionally with Orange No. 122.	Gluten feed, colored, --	5249
4.35	-----	6.93	-----	29 00	-----	-----	-----
3.45	2.50	7.10	8.50	1 55	-----	Gluten feed, -----	6069
3.96	-----	6.71	-----	28 43	-----	-----	-----
6.90	7.34	3.12	3.57	25 50	-----	Hominy feed, -----	5318
9.18	8.70	4.77	3.84	1 40	-----	Hominy feed, -----	5833
8.03	6.00	2.22	10.00	28 00	-----	Hominy feed, -----	5315
9.15	6.00	5.55	10.00	1 60	-----	Hominy feed, -----	6163
8.20	6.00	2.37	10.00	32 00	-----	Hominy feed, -----	6043
7.60	6.00	2.32	10.00	29 00	-----	Hominy feed, -----	5800
7.60	6.00	2.60	10.00	25 00	-----	Hominy feed, -----	5243
8.00	-----	2.89	-----	29 20	-----	-----	-----
9.70	8.00	4.82	7.00	1 35	Manufactured from white corn.	As certified, -----	5394
8.55	7.50	5.32	7.00	1 60	Manufactured from white corn.	As certified, -----	6172
8.90	7.50	4.85	7.00	1 50	Manufactured from white corn.	As certified, -----	6010
8.93	7.50	4.80	7.00	30 00	Manufactured from white corn.	As certified, -----	5675
9.02	-----	4.94	-----	29 75	-----	-----	-----
7.04	8.00	4.40	5.00	1 35	-----	Hominy feed, -----	5396
7.70	8.00	4.95	5.00	27 00	Made from best grade of white milling corn.	As certified, -----	5411
8.15	6.00	5.05	5.00	1 55	Made from best grade of white milling corn.	As certified, -----	6132
8.13	7.00	4.15	4.50	23 00	Made from pure white corn.	As certified, -----	5385
8.13	8.00	3.77	5.00	1 30	-----	Hominy feed, -----	5413
7.83	-----	4.46	-----	26 80	-----	-----	-----

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
6112	----- The Lee Milling Co., Wilmington, Del.	Chester, John Thompson,--	814	Per et. 6.56	Per et. 11.56	Per et. 10.00
6059	Steam Cooked, Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Chalfont, F. D. Hartzel's Sons.	761	9.33	11.00	10-12
5246	"Pure," National Feed Co., St. Louis, Mo.	Palmyra, The Londonderry Mills.	46	9.22	10.00	8.5-10.5
6182	"Yellow," The Quaker Oats Co., Chicago, Ill.	Jeannette, Keystone Supply Co.	884	10.94	11.31	9.00
5355	"Yellow," The Quaker Oats Co., Chicago, Ill.	Uniontown, King Bros., --	153	11.16	10.06	9.00
5939	"Yellow," The Quaker Oats Co., Chicago, Ill.	Oil City, Magee Feed Co.,	655	10.65	11.50	9.00
		Average, -----		10.91	10.96	-----
6140	"Logan," The Standard Ce- real Co., Chillicothe, Ohio.	Elizabethtown, E. H. Leh- man.	842	10.41	12.06	10.00
5322	"Logan," The Standard Ce- real Co., Chillicothe, Ohio.	Ephrata, S. M. Seldom- ridge.	120	9.90	10.31	10.00
		Average, -----		10.15	11.19	-----
5323	"Standeo," The Standard Cereal Co., Chillicothe, Ohio.	Ephrata, S. M. Seldom- ridge.	121	11.55	11.25	11.50
5325	Pure, The Standard Cereal Co., Chillicothe, Ohio.	Kinzer, E. E. & W. J. L. Walker.	123	8.89	10.75	8.00
	Corn Bran.	Total average, -----		9.62	11.02	-----
5281	Pure, M. F. Baringer, Phil- adelphia, Pa.	Lancaster, Esbenschade & Co.	79	7.69	10.06	7.00
5421	Pure White, M. F. Baringer, Philadelphia, Pa.	West Chester, E. D. Hemp- hill.	219	8.48	10.94	7-10
6120	Pure, M. F. Baringer, Phil- adelphia, Pa.	Chester, T. Frank McCall,	822	6.85	9.88	7.00
5818	Pure, M. F. Baringer, Phil- adelphia, Pa.	Longsdorf, James P. Myers.	47	7.92	11.44	7.00
6044	Pure, M. F. Baringer, Phil- adelphia, Pa.	Doylestown, J. W. Stil- wagon & Son.	746	8.71	11.50	7.00
		Average, -----		7.93	10.76	-----
5295	----- John W. Eshelman, Lancaster, Pa.	Lancaster, John W. Eshel- man.	93	14.16	9.13	7-9
6107	Pure, Chas. A. Krause Milling Co., Milwaukee, Wis.	Hatfield, George S. Snyder Estate.	809	7.29	9.75	7.00
6055	Badger Cream Flakes, Chas. A. Krause Milling Co., Milwaukee, Wis.	Doylestown, Henry S. Beid- ler.	757	7.71	10.00	8.50
6075	Badger Cream Flakes, Chas. A. Krause Milling Co., Milwaukee, Wis.	Lansdale, A. C. Godshall & Co., Inc.	777	8.28	10.50	8.50
		Average, -----		7.99	10.25	-----
6094	Pure, J. C. Landis, Norris- town, Pa.	West Point, Heebner & Krieble.	796	9.32	11.11	8.00
6091	White, L. W. Mattern, West Point, Pa.	West Point, L. W. Mat- tern.	793	8.11	11.50	8.00
6103	----- George S. Snyder Es- tate, Hatfield, Pa.	Hatfield, George S. Snyder Estate.	805	10.30	12.00	7-10

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 8.95	Per ct. 8.00	Per ct. 5.50	Per ct. 5.00	\$1 70	-----	Hominy feed, -----	6112
6.75	7.5-9	4.85	3-5	31 50	-----	Hominy feed, -----	6059
7.28	7-8.5	4.50	10.00	27 00	Made from pure corn, --	As certified, -----	5246
7.60	4.00	3.45	4.00	34 00	-----	Hominy feed, -----	6182
6.75	4.00	3.12	4.00	25 00	-----	Hominy feed, -----	5355
8.05	4.00	2.40	4.00	32 00	-----	Hominy feed, -----	5939
7.47	-----	2.99	-----	30 33	-----	-----	-----
8.15	7.00	4.85	6.00	31 00	-----	Hominy feed, -----	6140
7.78	7.00	3.12	6.00	25 00	-----	Hominy feed, -----	5322
7.97	-----	3.98	-----	28 00	-----	-----	-----
8.45	8.00	1.87	4.00	25 50	-----	Hominy feed, -----	5323
8.00	6.00	4.35	10.00	25 00	-----	Hominy feed, -----	5325
8.04	-----	3.94	-----	28 56	-----	-----	-----
8.65	5.00	6.85	15.00	24 50	Corn bran, -----	As certified, -----	5281
10.54	5-7	7.40	12.00	26 00	-----	Corn bran, -----	5421
9.80	5.00	11.05	15.00	30 00	-----	Corn bran, -----	6120
12.22	5.00	8.77	15.00	25 00	-----	Corn bran, -----	5818
10.90	5.00	5.80	15.00	32 00	-----	Corn bran, -----	6044
10.42	-----	7.94	-----	27 50	-----	-----	-----
3.45	3-5	3.55	7-9	21 50	-----	Corn bran, -----	5295
7.90	3.50	8.72	15.00	1 60	-----	Corn bran, -----	6107
8.18	3.50	8.37	9.00	33 00	Made from pure white corn.	As certified, -----	6055
8.38	3.50	8.10	9.00	1 65	Made from pure white corn.	As certified, -----	6075
8.28	-----	8.23	-----	33 00	-----	-----	-----
7.65	6.00	9.50	8.00	32 00	-----	Corn bran, -----	6094
8.20	5.00	6.50	10.00	32 00	-----	Corn bran, -----	6091
9.18	3-5	4.90	12-15	27 00	-----	Corn bran, -----	6103

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
6090	Maizeline Feed, C. W. Wager & Co., Philadelphia, Pa.	West Point, L. W. Mat-tern.	792	Per ct. 6.90	Per ct. 10.13	Per ct. 7.00
	Corn Flour.	Total average, -----	-----	8.59	10.48	-----
5820	Maizo Reddog, Chas A. Krause Milling Co., Milwaukee, Wis.	Mechanicsburg, A. B. Har-nish.	49	10.69	7.94	9.00
	WHEAT OFFALS.					
	Low Grade Flour.					
5793	Badger Red Dog, Berger-Crittenden Milling Co., Milwaukee, Wis.	Kutztown, S. A. Stein, ---	29	10.57	18.13	16.75
5641	Pure Wheat Red Dog, George C. Christian, Min-neapolis, Minn.	Wellsboro, Equity Co-Ope-rative Exchange.	439	11.71	18.13	15.60
6181	Foundry, B. A. Eckhart Milling Co., Chicago, Ill.	Jeannette, Keystone Supply Co.	883	11.10	17.56	-----
5341	----- New Stanton Mills, New Stanton, Pa.	New Stanton, New Stanton Mills.	139	11.64	18.56	-----
5973	Pullsburg's XX Daisy, Pills-bury Flour Mills, Minne-apolis, Minn.	Piteairn, D. F. Salyards,--	675	11.31	19.06	16.00
5513	----- George Urban Milling Co., Buffalo, N. Y.	Bradford, L. A. Fiseher & Co.	311	10.24	18.56	-----
5491	Adrian, Washburn-Crosby Co., Minneapolis, Minn.	Johnsonburg, Cash Whole-sale Co.	289	11.10	19.75	17.00
	Wheat Middlings.	Average, -----	-----	11.09	18.54	-----
5489	Perfection Fancy White Wlnter, Ames-Burns Co., Jamestown, N. Y.	Warren, T. N. Dunham, --	287	11.03	17.00	15-17
5251	----- Austen Bros., Pitts-burg, Pa.	Johnstown, Valley Mills, --	51	10.20	15.56	-----
5561	Pure, Barber Milling Co., Minneapolis, Minn.	Ebensburg, Veith Bros., --	359	10.45	18.94	14-18
5327	Badger Standard, Berger-Crittenden Milling Co., Milwaukee, Wis.	Latrobe, Latrobe Whole-sale Grocery.	125	10.39	17.94	16.50
5844	----- Berger-Crittenden Mill-ing Co., Milwaukee, Wis.	Sharon, The Sharon Milling Co.	581	10.75	14.69	-----
6035	----- Blaine, Mackay-Lee Co., North East, Pa.	Corry, F. L. Heath, -----	737	10.59	16.88	-----
5659	----- Blank & Gottshall, Sunbury, Pa.	Sunbury, Blank & Gott-shall.	457	12.60	15.44	-----
5619	----- W. N. Broscha, Jersey Shore, Pa.	Jersey Shore, W. N. Bro-sha.	417	9.81	18.25	-----
5791	Pure Wheat White, George C. Christian, Minneapolis, Minn.	Meyersdale, Appel & Gless-ner.	561	10.15	17.19	14.00
5792	Poland, George C. Christian, Minneapolis, Minn.	Meyersdale, Appel & Gless-ner.	562	10.41	17.13	14.00
5750	Coarse, The Cleveland Mill-ing Co., Cleveland, Ohio.	Brookville, Kline's Flour and Feed Mill.	532	10.37	18.25	14-17
5336	Coarse, The Cleveland Mill-ing Co., Cleveland, Ohio.	Greensburg, Harry Orr & Co.	134	10.74	19.56	14-17

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 9.10	Per ct. 4.00	Per ct. 7.07	Per ct. 13.00	\$32 00	-----	Corn bran, -----	6090
8.78	-----	7.42	-----	29 23			
4.37	6.00	1.32	2.00	32 00	A pure corn product, ---	As certified, -----	5820
3.35	3.75	2.45	2.50	1 75	Pure and unadulterated wheat product.	As certified, -----	5793
4.70	3.50	1.72	4.00	31 00	Pure wheat red dog flour,	As certified, -----	5641
3.90	-----	3.15	-----	1 95	-----	Flour middlings, -----	6181
4.08	-----	2.45	-----	29 00	Red dog middlings, -----	As certified, -----	5341
5.08	4.50	3.10	4.00	1 90	-----	Flour middlings, -----	5973
4.15	-----	0.82	-----	1 65	-----	Flour middlings, -----	5513
5.03	5.00	2.17	4.00	1 80	Pure hard wheat flour, --	As certified, -----	5491
4.41	-----	2.27	-----	34 43			
4.40	5-7	3.07	10.00	32 00	Pure winter wheat product.	As certified, -----	5489
4.58	-----	5.42	-----	1 50	Wheat middlings, -----	As certified, -----	5251
5.55	4-6	7.05	8.00	1 50	Pure wheat middlings, -	As certified, -----	5561
4.90	4.00	8.12	8.50	27 00	Pure and unadulterated wheat product.	As certified, -----	5327
3.13	-----	3.45	-----	30 00	Wheat middlings, -----	As certified, -----	5844
4.48	-----	4.87	-----	1 75	Pure wheat product, ----	As certified, -----	6025
4.00	-----	3.17	-----	1 45	Wheat middlings, -----	As certified, -----	5659
4.90	-----	3.65	-----	1 50	Pure wheat middlings, --	As certified, -----	5619
5.93	4.00	5.72	8.00	1 65	Pure wheat middlings, -	As certified, -----	5791
6.00	4.00	7.30	8.00	1 55	Pure wheat middlings, --	Wheat middlings and small amount of flax and weed seeds.	5792
5.08	4.5-6.5	5.45	-----	1 45	Natural run of wheat, --	As certified, -----	5750
6.10	4.5-6.5	6.10	-----	1 49	Natural run of wheat, --	As certified, -----	5336

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
5401	Pure Fine, The Cleveland Milling Co., Cleveland, Ohio.	York, F. Z. Stauffer, ---	199	Per ct. 11.83	Per ct. 16.94	-----
5267	----- The Colton Bros. Co., Bellefontaine, Ohio.	Zelienople, Fred Zehner, --	65	11.83	16.94	15.00
5534	Fancy, Crouch Bros. Co., Erie, Pa.	Lock Haven, F. H. Dyer,	332	10.61	16.63	14.00
5785	Pure, The Davis Milling Co., St. Joseph, Mo.	Somerset, John G. Emert,	555	8.40	17.06	13.00
5384	Pure, B. A. Eckhart Milling Co., Chicago, Ill.	York, F. Loueks & Son, --	182	9.86	17.06	15.00
5781	Pure, B. A. Eckhart Milling Co., Chicago, Ill.	Somerset, Saylor & Woy,--	551	9.15	17.50	15.00
5529	Pure, Emporium Milling Co., Emporium, Pa.	Emporium, C. B. Howard & Co.	327	11.14	15.88	15.00
5521	----- Eulalia Mills, Coudersport, Pa.	Coudersport, Eulalia Mills,	319	10.56	16.31	-----
5878	----- J. B. Ewing, Orbisonia, Pa.	Orbisonia, J. B. Ewing, --	615	9.93	18.13	-----
5578	Pure, Gamble, Gheen & Co., Bellefonte, Pa.	Phillipsburg, Wolf's Mill, --	376	10.73	17.94	-----
5863	----- The Goshen Milling Co., Goshen, Ind.	Canonsburg, Canonsburg Milling Co.	600	10.32	17.06	18.00
6156	----- John D. Graybill, Bellville, Pa.	Lewistown, Lewistown Ice and Storage Co.	858	10.70	15.69	-----
5868	----- Huntingdon Milling Co., Huntingdon, Pa.	Huntingdon, Huntingdon Milling Co.	605	11.88	16.38	-----
5850	Saxony Choice White, Hunter-Robinson-Wenz Milling Co., St. Louis, Mo.	Washington, D. P. Hart,	587	9.68	18.25	15.00
5306	Flour, W. J. Jennison Co., Minneapolis, Minn.	Lancaster, Fred Poutz, ---	104	11.55	18.13	17.00
5228	----- Lebanon Milling Co., Lebanon, Pa.	Lebanon, Lebanon Milling Co.	28	11.90	17.13	-----
5283	----- Levan & Sons, Lancaster, Pa.	Lancaster, Levan & Sons,	81	12.27	15.38	-----
5647	Elmco, Listman Mill Co., La Crosse, Wis.	Knoxville, J. H. Burch, ---	445	10.70	18.38	17.66
6176	----- Manbeck, Nelson & Co., Mifflin, Pa.	Mifflin, Manbeck, Nelson & Co.	878	10.08	16.56	-----
5836	----- Mathers Bros., Greenville, Pa.	Greenville, Mathers Bros.,	573	10.02	16.56	-----
5983	----- R. S. McCague, Pittsburg, Pa.	Pittsburg, James Brown & Co.	685	10.46	16.63	-----
6162	----- Mexico Roller Mills, Mexico, Pa.	Lewistown, G. M. White,	864	10.85	16.25	-----
5505	----- Niagara Falls Milling Co., Buffalo, N. Y.	Smethport, C. Herzog, ---	303	10.84	19.00	-----
5235	Pure, The Northwestern Consolidated Milling Co., Minneapolis, Minn.	Palmyra, A. S. Stauffer,	35	10.57	17.00	15.00
5554	White Flour, Northwestern Milling Co., Little Falls, Minn.	Clearfield, J. W. Eberts,--	352	10.32	18.94	16.00
5547	----- C. H. Notter, Du Bois, Pa.	Du Bois, C. H. Notter, --	345	10.58	15.94	-----
5575	----- A. Nowak & Son, Buffalo, N. Y.	Phillipsburg, Phillipsburg Grist Mill Co.	373	10.53	19.13	15.00
5576	Red Dog, A. Nowak & Son, Buffalo, N. Y.	Phillipsburg, Phillipsburg Grist Mill Co.	374	11.08	66.19	17.00
5558	Fancy, Osakis Milling Co., Osakis, Minn.	Carrolltown, W. A. Eckendorfe.	356	10.44	18.44	15.00
6033	Pure, The Richard & Evans Co., Cortland, Ohio.	Corry, W. A. Dodd, -----	735	11.47	16.63	-----
5722	Pure, The Richard & Evans Co., Cortland, Ohio.	Elwood City, J. P. Morison.	520	9.97	17.63	-----
5841	Pure, The Richard & Evans Co., Cortland, Ohio.	Sharon, J. M. Porter, ----	578	9.90	17.56	-----

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.08	Per ct. -----	Per ct. 3.05	Per ct. -----	\$1 60	Pure fine middlings, ---	As certified, -----	5401
3.90	4.00	6.45	6.00	30 00	-----	Wheat middlings, -----	5267
3.73	3.50	2.70	3.12	1 60	Fancy wheat middlings,--	As certified, -----	5534
4.83	4.00	5.87	5.00	1 60	Pure wheat middlings or shorts.	As certified, -----	5785
4.70	4.00	4.50	6.00	1 50	Pure wheat flour middlings.	As certified, -----	5384
5.33	4.00	7.02	6.00	1 50	Pure wheat middlings, --	As certified, -----	5781
3.50	3.00	2.37	-----	1 60	Pure wheat middlings, --	As certified, -----	5529
3.80	-----	2.82	-----	1 50	Wheat middlings, -----	As certified, -----	5521
5.70	-----	4.20	-----	1 60	Wheat middlings, -----	As certified, -----	5878
5.28	-----	5.15	-----	1 65	-----	Wheat middlings, -----	5578
4.48	5.00	4.57	7.00	34 00	-----	Wheat middlings, -----	5863
5.25	-----	4.17	-----	1 60	Wheat middlings, -----	As certified, -----	6156
3.68	-----	1.97	-----	32 00	Wheat middlings, -----	As certified, -----	5868
6.20	4.00	4.35	6.00	1 75	Pure winter wheat product.	As certified, -----	5850
5.33	4.50	4.75	5.50	28 00	Pure wheat middlings, --	As certified, -----	5306
5.10	-----	4.22	-----	1 40	Wheat middlings, -----	As certified, -----	5228
3.90	-----	2.90	-----	28 50	Wheat middlings, -----	As certified, -----	5283
5.25	4.52	5.37	5.61	1 60	Wheat middlings, -----	As certified, -----	5647
4.05	-----	4.35	-----	1 55	Wheat middlings, -----	As certified, -----	6176
4.25	-----	3.82	-----	1 40	Wheat middlings, -----	As certified, -----	5836
4.60	-----	5.17	-----	1 65	Wheat middlings, -----	As certified, -----	5983
3.95	-----	3.20	-----	1 60	-----	Wheat middlings, -----	6162
5.83	-----	7.65	-----	1 50	Wheat middlings, -----	As certified, -----	5505
6.35	4.50	10.30	10.00	28 00	Pure wheat middlings, --	As certified, -----	5235
5.28	4.50	5.60	6.70	1 60	White flour middlings, --	As certified, -----	5554
3.23	-----	2.12	-----	1 80	Pure wheat middlings, --	As certified, -----	5547
6.15	4.00	5.10	8.00	29 00	-----	Wheat middlings, -----	5575
3.68	5.00	3.50	4.00	32 00	-----	Wheat middlings, -----	5576
6.28	4.00	6.00	8.00	1 60	Pure wheat middlings, --	As certified, -----	5558
3.85	-----	2.90	-----	35 00	Wheat middlings, -----	As certified, -----	6033
4.88	-----	4.42	-----	1 60	Wheat middlings, -----	As certified, -----	5722
4.60	-----	4.30	-----	1 60	Wheat middlings, -----	As certified, -----	5841

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
6166	----- John T. Rodgers, McVeytown, Pa.	McVeytown, John T. Rodgers.	868	Per et. 12.21	Per et. 19.00	-----
5583	----- Security Flour Mills Co., Abilene, Kansas.	Morrisdale Mines, Morrisdale Feed and Grain Co.	381	10.01	18.75	-----
5893	Fresh Ground, W. G. Smith, Yellow Creek, Pa.	Everett, A. H. Whetstone,	630	11.72	17.25	-----
5363	Pure, J. W. Smith & Co., Chicago, Ill.	Uniontown, Hogsett & Hawkins.	161	10.07	17.31	15.00
5440	Pure, W. H. Stokes Milling Co., Watertown, S. Dak.	Beaver Falls, Dodds & Garrett.	238	10.65	19.31	16.50
5743	----- Sylvia Milling Co., Sylvia, Kans.	Reynoldsville, Wallace & Stefl.	525	8.30	17.56	-----
5882	Pure Wheat Flour, Tennant Hoyt Co., Lake City, Minn.	Hopewell, M. V. Zeth, ----	619	10.27	17.88	16.00
5483	No. 1 White, The Toledo Grain and Milling Co., Toledo, Ohio.	Ridgway, Smith Bros. Co.,	281	10.81	17.38	-----
5611	----- V. S. Truckenmiller & Son, Watsontown, Pa.	Williamsport, F. W. Dawson & Son.	409	10.05	17.38	-----
5511	Flour, George Urban Milling Co., Buffalo, N. Y.	Bradford, L. A. Fischer & Co.	309	9.88	18.56	-----
5512	----- George Urban Milling Co., Buffalo, N. Y.	Bradford, L. A. Fischer & Co.	310	9.20	17.88	-----
5535	----- G. R. Warrick, Mackeyville, Pa.	Lock Haven, F. H. Dyer,--	333	10.05	18.38	-----
5314	Standard, Washburn-Crosby Co., Minneapolis, Minn.	Manheim, F. K. Nauman,	112	10.96	18.63	15.00
5814	Pure Hard Wheat Standard, Washburn-Crosby Co., Minneapolis, Minn.	Bolling Springs, Paxton Flour and Feed Co.	43	9.17	18.75	15.00
5900	Fancy Mixed, Wells Flour Milling Co., Wells, Minn.	Bloomsburg, R. R. Ikeler,	62	8.90	18.44	14-21
	Wheat Middlings with Admixtures.	Average, -----		10.50	17.43	-----
5811	Gem Middlings, T. M. Bidle, Altoona, Pa.	Juniata, R. I. Remaley, --	569	10.39	16.06	10.10
5441	Refuse Middlings, Jones & Laughlin Co., Woodlawn, Pa.	New Brighton, J. H. Hornby & Son.	239	7.20	15.38	12.63
5767	No. 2, White Middlings and Corn Meal, The Toledo Grain and Milling Co., Toledo, Ohio.	Penfield, Johnson & Over- turf.	537	9.23	15.81	12-14
5891	No. 2, White Middlings and Corn Meal, The Toledo Grain and Milling Co., Toledo, Ohio.	Everett, L. C. Mann & Co.	628	10.23	15.00	12-14
6191	No. 2, White Middlings and Corn Meal, The Toledo Grain and Milling Co., Toledo, Ohio.	Wilmerding, Routh & Co.,	893	11.00	14.63	12-14
	Mixed Feed:—Wheat By-Products.	Average, -----		10.15	15.15	-----
5484	----- Alma Roller Mills, Alma, Mich.	Warren, T. N. Dunham, --	282	10.31	16.63	16.10
5536	----- Crouch Bros. Co., Pa.	Lock Haven, F. H. Dyer,	334	9.76	15.50	14.50

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
4.85		3.50		\$1 60	Wheat middlings, -----	As certified, -----	6166
5.18		6.00		30 00	-----	Wheat middlings, -----	5583
3.95		3.17		1 70	Fresh ground middlings,	As certified, -----	5893
4.95	4.00	6.07	6.00	28 00	Pure wheat middlings, --	As certified, -----	5363
5.50	5.00	5.27	5.59	26 50	Pure wheat shorts, ----	As certified, -----	5440
4.80		4.15		1 60	-----	Wheat middlings, -----	5743
5.63		5.25		1 75	Pure wheat middlings, --	As certified, -----	5882
5.00		2.82		1 85	Pure and unadulterated wheat middlings.	As certified, -----	5483
3.95		5.20		1 55	Pure wheat middlings, --	As certified, -----	5611
5.25		4.37		1 50	-----	Wheat middlings, -----	5511
4.55		5.20		1 40	-----	Wheat middlings, -----	5512
5.20		7.37		1 50	Wheat middlings, -----	As certified, -----	5535
5.65	4.00	6.42	8.00	28 00	Pure hard wheat stand- ard middlings.	As certified, -----	5314
5.75	4.00	7.50	9.00	28 00	Pure hard wheat stand- ard middlings.	As certified, -----	5814
5.90	5-54	5.60	6-12	30 00	-----	Wheat middlings, -----	5900
4.52		4.80		30 98			
5.46	2.10	2.87	11.30	1 65	Wheat middlings, red dog flour and hominy feed.	As certified, -----	5811
6.25	3.64	10.65	4.60	24 00	Wheat middlings and palm oil.	As certified, -----	5441
5.33	4-6	5.10	6.00	1 75	Wheat middlings and fine white corn meal.	As certified, -----	5767
4.73	4-6	4.90	6.00	1 65	Wheat middlings and fine white corn meal.	As certified, -----	5891
4.83	4-6	3.99	6.00	1 85	Wheat middlings and fine white corn meal.	As certified, -----	6191
4.96		4.66		35 00			
4.78	4.20	7.30		26 00	Bran and middlings, ----	As certified, -----	5484
4.18	4.30	5.30	8.30	1 50	-----	Wheat bran and wheat middlings.	5536

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
6170	Fancy Wheat, Pillsbury Flour Mills, Minneapolis, Minn.	McVeytown, W. M. Atkinson.	872	Per ct. 10.25	Per ct. 17.44	Per ct. 16.00
5759	Pure Hard Wheat Superior Mixed Feed, Washburn-Crosby Co., Minneapolis, Minn.	Montrose, Slatter & Roberts.	22	10.28	17.63	16.00
	Wheat Bran.	Average, -----		10.90	16.80	-----
6030	Perfection Extra Fancy Winter, Amos-Burns Co., Jamestown, N. Y.	Erie, W. J. Carroll, -----	732	10.38	16.50	14-16
5887	----- The Austed & Burk Co., Springfield, Ohio.	Derry, J. O. Nicely, -----	689	10.28	16.50	14-15
5361	----- The Austed & Burk Co., Springfield, Ohio.	Uniontown, Hogsett & Hankins.	159	10.14	16.25	14-15
6197	----- The Austed & Burk Co., Springfield, Ohio.	Pittsburg, Daniel McCaffrey's Sons Co.	899	9.75	16.69	14-15
5238	Winona, Fancy Flaky, Bay State Milling Co., Winona, Minn.	Palmyra, A. S. Stauffer, ---	38	11.21	16.50	15.00
5996	Badger, Berger-Crittenden Milling Co., Milwaukee, Wis.	Braddock, Braddock Feed Co.	698	8.89	16.44	16.00
6199	Badger, Berger-Crittenden Milling Co., Milwaukee, Wis.	Pittsburg, Daniel McCaffrey's Sons Co.	901	9.98	17.06	16.00
5843	Badger, Berger-Crittenden Milling Co., Milwaukee, Wis.	Sharon, The Sharon Milling Co.	580	9.60	16.06	16.00
6005	Badger, Berger-Crittenden Milling Co., Milwaukee, Wis.	Meadville, Sherman Milling Co.	707	9.64	16.38	16.00
5571	Big Diamond, Big Diamond Milling Co., Minneapolis, Minn.	Madera, Moore Bros., ---	369	9.03	16.75	12.80
5660	----- Blank & Gottshall, Sunbury, Pa.	Sunbury, Blank & Gottshall.	458	11.50	16.94	-----
5618	----- W. N. Brosha, Jersey Shore, Pa.	Jersey Shore, W. N. Brosha.	416	9.38	17.19	-----
5677	----- Buffalo Flour Milling Co., Lewisburg, Pa.	Northumberland, Meiser & Bolig.	475	10.43	16.63	-----
5360	Jersey, George C. Christian, Minneapolis, Minn.	Uniontown, King Bros., --	158	10.75	16.88	13.00
5982	----- The Cleveland Milling Co., Cleveland, Ohio.	Pittsburg, James Brown & Co.	684	10.60	17.25	14-17
5747	----- The Cleveland Milling Co., Cleveland, Ohio.	Brookville, Kline's Flour and Feed Mill.	529	10.26	17.38	14-17
5400	----- The Cleveland Milling Co., Cleveland, Ohio.	York, F. Z. Stauffer, ---	198	11.49	17.19	14-17
5879	----- H. C. Cole Milling Co., Chester, Ill.	Mt. Union, J. E. Ewing, --	616	8.98	16.13	14.50
5574	Commander, Commander Mill Co., Minneapolis, Minn.	Philipsburg, Philipsburg Grist Mill Co.	372	9.07	17.13	14.00
6023	Winter, W. A. Coombs Milling Co., Cold Water, Mich.	Erie, Weddige Bros., ---	725	10.22	15.31	14-17
5498	Duluth Imperial, Duluth Superior Milling Co., Duluth, Minn.	St. Marys Hall, Kaul & Hyde Co.	296	9.75	16.94	14.50
5649	----- Eaker & Vermilya, Muncy, Pa.	Knoxville, Deerfield Milling Co.	447	11.18	16.06	-----
5796	Eaco Winged Horse, Everett Aughenbaugh & Co., Waseca, Minn.	Fleetwood, Schlegel, Adam & Co.	32	8.95	16.56	14.00

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 5.05	Per ct. 4.50	Per ct. 6.62	Per ct. 8.00	\$1 60	Wheat bran and white middlings.	As certified, -----	6170
5.13	4.50	7.32	9.00	29 00	Composed of wheat bran and middlings only.	As certified, -----	5759
4.79	-----	6.63	-----	26 25			
4.63	3.5-5	7.05	10.00	1 45	Pure winter wheat product.	As certified, -----	6030
4.50	3-4.50	9.05	9-11.5	1 50	-----	Wheat bran, -----	5987
4.45	3.7-4.5	9.10	9-11.5	27 00	-----	Wheat bran, -----	5361
4.83	3-4	8.92	8-11	1 50	-----	Wheat bran, -----	6197
5.95	4.07	10.15	11.00	27 00	Pure wheat bran, -----	As certified, -----	5238
4.78	4.00	9.80	10.50	1 40	-----	Wheat bran, -----	5996
4.53	4.00	9.40	10.50	1 50	Pure wheat bran, -----	As certified, -----	6199
4.73	4.00	10.20	10.50	28 00	Pure wheat product, ---	As certified, -----	5843
4.88	4.00	8.30	10.50	27 00	Pure wheat product, ---	As certified, -----	6005
6.33	4.50	10.22	11.07	1 50	Pure wheat product, ---	As certified, -----	5571
5.30	-----	8.10	-----	1 35	Wheat bran, -----	As certified, -----	5660
4.45	-----	9.27	-----	1 40	Pure wheat bran, -----	As certified, -----	5618
5.20	-----	9.55	-----	1 40	Wheat bran, -----	As certified, -----	5677
5.48	4.00	9.17	11.50	1 40	Pure wheat bran, -----	As certified, -----	5360
4.85	4.5-5.5	9.35	-----	1 50	Natural run of wheat, --	As certified, -----	5982
5.70	4.5-5.5	9.05	-----	1 45	Natural run of wheat, --	As certified, -----	5747
5.00	4.5-5.5	9.17	-----	1 45	Natural run of wheat, --	As certified, -----	5400
4.95	3.75	7.50	9.50	1 50	Product of pure soft winter wheat.	As certified, -----	5879
6.18	4.00	10.25	11.00	28 00	Pure wheat bran, -----	As certified, -----	5574
4.35	3-6	7.72	-----	1 40	Winter wheat bran, -----	As certified, -----	6023
5.43	4.00	9.40	11.25	1 50	Pure wheat bran, -----	As certified, -----	5498
4.95	-----	9.87	-----	1 50	Wheat bran, -----	As certified, -----	5649
5.58	3.00	11.07	12.00	26 00	-----	Wheat bran, -----	5796

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
6178	Pure, B. A. Eckhart Milling Co., Chicago, Ill.	Jeannette, Keystone Supply Co.	880	Per ct. 9.48	Per ct. 17.31	Per ct. 14-17
5780	Pure, B. A. Eckhart Milling Co., Chicago, Ill.	Somerset, Saylor & Woy,--	550	9.54	17.38	14-17
5617	Elmwood Mill and Elevator Co., Elmwood, Nebraska.	Williamsport, M. E. Donnel & Co.	415	10.05	15.31	-----
5533	Emporium Milling Co. Emporium, Pa.	Emporium, Emporium Milling Co.	331	10.10	16.31	-----
5877	J. B. Ewing, Orbisonia, Pa.	Orbisonia, J. B. Ewing, ---	614	8.97	17.25	-----
5415	Excelsior Roller Mills, Avondale, Pa.	Kennett Square, W. H. Walker & Co.	213	10.32	14.75	13.00
6158	John D. Graybill, Bellville, Pa.	Lewistown, Lewistown Ice and Storage Co.	800	7.86	16.88	-----
5472	The Harter Milling Co., Toledo, Ohio.	Parnassus, Johnston & Hamilton	270	11.18	16.50	-----
6032	Repeater Winter, Hunter-Robinson - Wenz Milling Co., St. Louis, Mo.	Curry, W. A. Dodd, -----	734	9.22	16.31	14.50
5849	Dreadnought Extra Coarse, Hunter - Robinson - Wenz Milling Co., St. Louis, Mo.	Washington, D. P. Hart,--	586	9.55	15.69	14.50
5495	Dreadnought Extra Coarse, Soft, Hunter - Robinson Wenz Milling Co., St. Louis, Mo.	St. Mary's, L. Ritter, ---	293	10.41	15.88	14.50
5870	Huntingdon Milling Co., Huntingdon, Pa.	Huntingdon, Huntingdon Milling Co.	607	10.06	17.94	-----
5813	Pure Spring, Jennison Bros. & Co., Janesville, Minn.	Mt. Holly, Percy Harman,	42	9.35	15.75	15.00
5305	W. J. Jennison Co., Minneapolis, Minn.	Lancaster, Fred Pontz, --	103	10.67	15.75	15.00
5958	Anchor, Kemper Mill and Elevator Co., Kansas City, Mo.	Hancock, J. C. Cook, ---	87	10.64	15.06	14.50
5338	Anchor, Kemper Mill and Elevator Co., Kansas City, Mo.	Greensburg, Harry Orr & Co.	136	10.77	16.81	14.50
5621	Anchor, Kemper Mill and Elevator Co., Kansas City, Mo.	Williamsport, John T. Stahlnecker.	419	9.13	15.56	14.50
5227	Lebanon Milling Co., Lebanon, Pa.	Lebanon, Lebanon Milling Co.	27	11.43	15.25	-----
5794	Elmeo Faney, Listman Milling Co., La Crosse, Wis.	Lyons, Hock Bros., -----	30	9.33	17.58	16.69
6175	Manbeck, Nelson & Co., Mifflin, Pa.	Mifflin, Manbeck, Nelson & Co.	877	10.49	17.56	-----
5835	Mathers Bros., Greenville, Pa.	Greenville, Mathers Bros.,	572	9.76	16.19	-----
5603	Mixed, Mauser Mill Co., Laurys, Pa.	Mt. Carmel, Schneider Bros. & Co.	461	10.39	15.81	12-16
5858	McMorrin Bros., St. Paris, Ohio.	Canonsburg, Dunlap Bros.,	595	11.04	17.13	-----
5265	Pure Winter, National Feed Co., St. Louis, Mo.	Zelenople, Fred Zehner, --	63	10.89	16.00	14.00
5412	Seal of Minnesota, New Prague Flouring Mill Co., New Prague, Minn.	West Grove, S. K. Chambers & Bro.	210	10.40	14.94	13.50
5253	Seal of Minnesota, New Prague Flouring Mill Co., New Prague, Minn.	Johnstown, Valley Mills, --	53	10.97	15.38	13.50
5532	Pure, The Northwestern Consolidated Milling Co., Minneapolis, Minn.	Emporium, Emporium Milling Co.	330	9.34	15.88	14.50
5231	Pure, The Northwestern Consolidated Milling Co., Minneapolis, Minn.	Annville, Gantz & Newgard,	31	10.23	17.44	14.50

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.93	Per ct. 3-5	Per ct. 8.80	Per ct.	\$30 00	Pure wheat bran, -----	As certified, -----	6178
5.13	3-5	9.80	-----	1 50	Pure wheat bran, -----	As certified, -----	5780
4.75	-----	7.97	-----	1 50	Wheat bran, -----	As certified, -----	5617
4.75	-----	7.50	-----	1 45	Wheat bran, -----	As certified, -----	5533
4.53	-----	9.00	-----	1 40	Wheat bran, -----	As certified, -----	5877
5.25	4.00	9.67	10.00	27 50	-----	Wheat bran, -----	5415
4.58	-----	8.97	-----	1 40	Wheat bran, -----	As certified, -----	6158
4.40	-----	8.92	-----	30 00	Harters' pure wheat bran,	As certified, -----	5472
4.95	4.00	7.75	9.50	25 00	Pure winter wheat product.	As certified, -----	6032
4.75	4.00	8.62	9.50	30 00	Pure winter wheat product.	As certified, -----	5849
4.85	4.00	8.12	9.50	1 45	Pure winter wheat product.	As certified, -----	5495
4.80	-----	8.95	-----	28 00	Wheat bran, -----	As certified, -----	5870
6.00	4.00	10.15	11.00	27 00	-----	Wheat bran, -----	5813
5.50	4.00	9.85	10.00	26 25	Pure wheat bran, -----	As certified, -----	5905
4.75	4.00	10.45	9.50	28 00	Made from pure wheat, ..	As certified, -----	5958
4.40	4.00	9.60	9.50	1 35	Made from pure wheat, ..	As certified, -----	5238
4.48	4.00	4.72	9.50	1 40	Made from pure wheat, ..	As certified, -----	5621
4.33	-----	8.50	-----	1 85	Wheat bran, -----	As certified, -----	5227
5.43	4.18	9.72	11.37	28 00	-----	Wheat bran, -----	5701
4.10	-----	8.62	-----	1 45	Wheat bran, -----	As certified, -----	6175
5.45	-----	8.77	-----	1 25	Wheat bran, -----	As certified, -----	5835
5.15	3-4	8.22	6-10	1 50	Bran feed, -----	Wheat bran, -----	5663
4.13	-----	7.80	-----	27 80	Wheat bran, -----	As certified, -----	5858
4.23	4.00	7.42	8.00	28 00	Made from pure wheat, ..	As certified, -----	5265
5.70	4.00	11.30	12.05	27 00	Pure and unadulterated	As certified, -----	5412
5.50	4.00	9.97	12.05	1 40	Pure and unadulterated wheat bran.	As certified, -----	5253
6.05	4.00	10.70	11.00	1 45	Pure wheat bran, -----	As certified, -----	5532
5.65	4.00	9.37	11.00	26 00	Pure wheat bran, -----	As certified, -----	5231

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
5408	Pure, The Northwestern Consolidated Milling Co., Minneapolis, Minn.	Downingtown, Wells & Walker.	206	Per ct. 11.35	Per ct. 17.06	Per ct. 14.50
5555	Fancy Spring, Northwestern Milling Co., Little Falls, Minn.	Clearfield, J. W. Eberts, --	353	9.86	16.38	12.50
5548	----- C. H. Notter, Du Bois, Pa.	Du Bois, C. H. Notter, ---	346	9.56	17.44	-----
5559	Fancy, Osakis Milling Co., Osakis, Minn.	Carrolltown, W. A. Eckenrode.	357	10.19	14.75	14.00
6171	----- Pillsbury Flour Mills, Minneapolis, Minn.	McVeytown, W. M. Atkinson.	873	10.07	16.00	14.50
5723	Pure, The Richard & Evans Co., Cortland, Ohio.	Elwood City, J. P. Morrison.	521	9.62	15.56	-----
5842	Pure, The Richard & Evans Co., Cortland, Ohio.	Sharon, J. M. Porter, -----	579	9.34	15.88	-----
6167	----- John T. Rodgers, McVeytown, Pa.	McVeytown, John T. Rodgers.	869	12.30	17.44	-----
5362	Pure, J. W. Smith & Co., Pittsburg, Pa.	Uniontown, Hogsett & Hankins.	160	9.80	16.25	14-17
5875	----- Spanogle-Yeager Milling Co., Lewistown, Pa.	Mapleton, H. O. Andrews,	612	9.22	16.50	-----
6163	----- Spanogle-Yeager Milling Co., Lewistown, Pa.	Lewistown, G. M. White, --	865	9.65	17.25	-----
6036	Pure, Star and Crescent Milling Co., Chicago, Ill.	Corry, F. L. Heath, ----	738	9.70	16.75	15.00
5744	----- Sylvia Milling Co., Sylvia, Kans.	Reynoldsville, Wallace & Stefl.	526	8.91	16.44	-----
5970	Pure, Tennant & Hoyt Co., Lake City, Minn.	Manor, Hiram Altman & Son.	672	11.92	15.81	13.20
5752	----- Thornton & Chester Milling Co., Buffalo, N. Y.	Clarion, B. W. Thompson,	534	9.68	15.13	14-18
5892	Winter, The Toledo Grain and Milling Co., Toledo, Ohio.	Everett, L. C. Mann & Co.	629	9.59	17.31	-----
6192	Winter, The Toledo Grain and Milling Co., Toledo, Ohio.	Wilmerding, Routh & Co.,	894	9.57	17.38	-----
5612	----- V. S. Truckenmiller & Son, Watontown, Pa.	Williamsport, F. W. Dawson & Son.	410	9.31	16.38	-----
6037	Pure, Union Mill Co., Cedar Falls, Iowa.	Corry, F. L. Heath, -----	739	9.11	16.75	15.50
5492	Coarse, Washburn-Crosby Co., Minneapolis, Minn.	Johnsonburg, Cash Wholesale Co.	290	10.22	16.75	14.50
5996	Pure Hard Wheat Coarse, Washburn - Crosby Co., Minneapolis, Minn.	Braddock, Marriott & Sons,	693	10.64	16.31	14.50
5313	Coarse, Washburn-Crosby Co., Minneapolis, Minn.	Manheim, F. K. Nauman, --	111	11.60	15.31	14.50
6168	Pure Hard Wheat Coarse, Washburn - Crosby Co., Minneapolis, Minn.	McVeytown, John T. Rodgers.	870	10.49	15.88	14.50
5779	Z Pure, Zenith Milling Co., Kansas City, Mo.	Somerset, Saylor & Woy, --	549	9.83	15.94	14.50
5861	----- Unknown, -----	Canonsburg, Canonsburg Milling Co.	508	9.93	16.44	-----
		Average, -----		10.05	16.41	-----
RYE OFFALS.						
Rye Middlings.						
5334	----- North Star Feed and Cereal Co., Minneapolis, Minn.	Greensburg, W. N. Davis, --	132	10.68	17.50	15.60

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 5.70	Per ct. 4.00	Per ct. 9.82	Per ct. 11.00	\$27 00	Pure wheat bran, -----	As certified, -----	5408
5.20	3.70	10.30	-----	1 40	-----	Wheat bran, -----	5555
4.73	-----	8.60	-----	1 60	Pure wheat bran, -----	As certified, -----	5548
5.38	4.00	10.67	12.00	1 50	Pure wheat bran, -----	As certified, -----	5559
5.45	4.00	11.75	11.00	1 50	Pure wheat bran, -----	As certified, -----	6171
4.58	-----	9.25	-----	1 45	Wheat bran, -----	As certified, -----	5723
4.60	-----	9.17	-----	1 40	Pure wheat bran, -----	As certified, -----	5842
4.38	-----	8.27	-----	1 50	Wheat bran, -----	As certified, -----	6167
5.13	3-5	9.60	-----	27 00	Pure wheat bran, -----	As certified, -----	5362
5.00	-----	9.87	-----	1 50	Wheat bran, -----	As certified, -----	5875
4.55	-----	8.47	-----	1 50	-----	Wheat bran, -----	6163
5.25	4.00	9.55	10.00	1 45	Pure wheat bran, -----	As certified, -----	6036
5.18	-----	10.10	-----	1 40	-----	Wheat bran, -----	5744
5.25	4.90	10.10	13.10	26 00	Pure wheat bran, -----	As certified, -----	5970
5.33	3-6	10.62	-----	1 50	Pure wheat product, -----	As certified, -----	5752
4.93	-----	8.90	-----	1 40	Pure wheat bran, -----	As certified, -----	5892
4.80	-----	8.25	-----	1 65	Pure wheat bran, -----	As certified, -----	6192
4.20	-----	9.45	-----	1 50	Pure wheat bran, -----	As certified, -----	5612
5.58	4.00	9.52	10.50	1 45	Pure wheat bran, -----	As certified, -----	6037
5.60	4.00	9.67	11.00	1 40	Pure hard wheat bran, -----	As certified, -----	5492
5.05	4.00	9.52	11.00	1 60	Wheat bran, -----	As certified, -----	5991
5.25	4.00	9.45	11.00	27 00	Pure hard wheat coarse bran, -----	As certified, -----	5313
5.10	4.00	10.57	11.00	1 50	Pure wheat bran, -----	As certified, -----	6168
4.55	5.60	10.55	13.50	1 50	Pure wheat bran, -----	As certified, -----	5779
4.38	-----	8.25	-----	27 00	-----	Wheat bran, -----	5861
5.62	-----	9.22	-----	28 68	-----	-----	-----
3.10	4.00	3.32	9.00	1 30	Rye middlings, -----	As certified, -----	5334

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
5913	----- North Star Feed and Cereal Co., Minneapolis, Minn.	McKeesport, Keystone Commercial Co.	641	Per ct. 10.60	Per ct. 17.19	Per ct. 14.50
5354	----- North Star Feed and Cereal Co., Minneapolis, Minn.	Uniontown, King Bros., ---	152	10.16	17.69	14.50
	Mixed Feed:—Rye By-Products.	Average, -----		10.48	17.46	-----
6015	Pure Monitor, Luxemburg Milling Co., Luxemburg, Wis.	Linesville, Linesville Coal, Lime and Cement Co.	717	9.96	15.81	14.60
	WHEAT AND RYE OFFALS.					
	Wheat and Rye Middlings.					
5662	Mixed Wheat and Rye White Middlings, Schneider Bros. & Co., Mt. Carmel, Pa.	Mt. Carmel, Schneider Bros. & Co.	460	11.58	15.94	12-16
6108	----- Georg S. Snyder Estate, Hatfield, Pa.	Hatfield, George S. Snyder Est.	810	10.57	14.38	-----
	BUCKWHEAT OFFALS.					
	Buckwheat Middlings.					
6039	----- Acme Milling Co., Corry, Pa.	Corry, Acme Milling Co., --	741	13.72	27.13	-----
6002	----- Sherman Milling Co., Saegertown, Pa.	Saegertown, Sherman Milling Co.	704	15.62	28.75	-----
	Buckwheat Feed.	Average, -----		14.67	27.94	-----
6100	----- The City Mills, Muncy, Pa.	Hatfield, George S. Snyder Estate.	802	10.87	14.94	18.06
	ALFALFA MEAL.					
5827	Amco, American Milling Co., Chicago, Ill.	Millersburg, Millersburg Roller Milling Co.	56	8.27	14.19	13.00
5740	Briggs' Pure, Clarence S. Briggs, Fowler, Colo.	Lindsey, Lindsey Milling Co.	522	8.40	14.00	12-14
6012	----- The Albert Dickinson Co., Chicago, Ill.	Corry, Acme Milling Co., --	744	6.55	14.00	12.00
5775	----- The Albert Dickinson Co., Chicago, Ill.	Altoona, Martin & Co., ---	545	7.45	14.13	12.00
6196	----- The Albert Dickinson Co., Chicago, Ill.	Wilnerding, Routh & Co.,	898	6.00	14.06	12.00
6021	Pure The Evergreen Alfalfa Mill, Kearney, Neb.	Erie, D. J. Carroll, -----	723	7.10	16.19	14.00
6078	Pure, The Evergreen Alfalfa Mill, Kearney, Neb.	Lansdale, F. P. Cassel & Son.	780	8.96	18.03	14.00
5343	Great Western, The Great Western Cereal Co., Chicago, Ill.	Mt. Pleasant, J. H. Brown & Son.	141	7.08	14.56	12.00
5531	Great Western, The Great Western Cereal Co., Chicago, Ill.	Emporium, Emporium Milling Co.	329	7.79	14.75	12.00
5809	Lucern Pure, M. C. Peters Mill Co., Omaha, Neb.	Altoona, The Big Diamond Flour and Feed Co.	567	8.74	14.50	11.00
5898	Lucern Pure, M. C. Peters Mill Co., Omaha, Neb.	Oil City, Enterprise Milling Co.	635	7.24	15.53	12.00

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 3.50	Per ct. 1.50	Per ct. 4.70	Per ct. 5.20	\$30 00	Rye middlings, -----	As certified, -----	5913
3.35	1.50	4.72	5.20	28 00	Rye middlings, -----	As certified, -----	5354
3.32	-----	4.24	-----	28 00	-----	-----	-----
3.75	3.40	3.85	3.54	28 00	-----	Rye feed, -----	6015
4.05	4-6	3.80	5-10	1 50	Wheat and rye middlings,	As certified, -----	5662
2.65	-----	4.10	-----	1 40	Rye bran, rye middlings, wheat bran and wheat middlings.	As certified, -----	6108
7.73	-----	3.70	-----	28 00	Buckwheat middlings, ---	As certified, -----	6039
7.18	-----	3.52	-----	30 00	Buckwheat middlings, ---	As certified, -----	6002
7.46	-----	3.61	-----	29 00	-----	-----	-----
3.62	4.53	19.67	22.73	27 00	-----	Buckwheat feed, -----	6100
2.55	2.00	30.72	25.00	1 25	Alfalfa hay, -----	As certified, -----	5827
2.20	1.5-2	31.97	31-34	1 40	-----	Alfalfa meal, -----	5740
1.83	1.00	31.52	35.00	32 00	Made from alfalfa hay,--	As certified, -----	6042
1.63	1.00	30.42	35.00	2 00	Made from alfalfa hay,--	As certified, -----	5775
1.78	1.00	30.35	35.00	1 35	Made from alfalfa hay,--	As certified, -----	6196
2.93	2.00	27.57	20.00	1 30	-----	Alfalfa meal, -----	6021
3.30	2.00	26.57	20.00	1 50	-----	Alfalfa meal, -----	6078
2.23	2.00	28.25	30.00	1 50	Made from prime alfalfa meal.	As certified, -----	5343
2.78	2.00	29.25	30.00	1 40	Made from prime alfalfa meal.	As certified, -----	5531
2.08	1.00	28.22	33.00	1 75	Ground alfalfa, -----	As certified, -----	5809
2.85	0.50	29.55	33.00	2 00	-----	Alfalfa meal, -----	5898

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.		
					Found.	Guaranteed.	
5352	"Samco," The Salina Alfalfa Meal Co., Salina, Kans.	Scottdale, J. E. Pritts, --	150	Per et. 7.92	Per et. 15.06	Per et. 15.00	
5908	Suco, The Sugarine Co., Chicago, Ill.	Millville, M. W. Shoemaker & Son.	70	7.39	14.19	13.60	
		Average, -----		7.60	14.86	-----	
5950	Badger Evergreen Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	Franklin, J. H. Lavery, --	666	19.43	14.61	10.60	
5902	Peters Alfalfa Fat Sugar Meal, M. C. Peters Mill Co., Omaha, Neb.	Altoona, Central Feed Co.,	400	18.04	14.05	10.00	
6111	Shamrock Alfalfa Molasses Feed, The Quaker Oats Co., Chicago, Ill.	Chester, John Thompson,--	813	16.56	13.52	12.00	
		Average, -----		18.01	14.06	-----	
BEET PULP.							
5702	----- German-American Sugar Co., Bay City, Mich.	Indiana, James St. Clair,--	500	7.45	9.44	8.60	
5255	----- The Larowe Milling Co., Detroit, Michigan.	Johnstown, G. Bostert & Son.	755	8.18	8.69	8.00	
5997	----- The Larowe Milling Co., Detroit, Michigan.	Braddock, Braddock Feed Co.	699	8.24	9.31	8.00	
5342	----- The Larowe Milling Co., Detroit, Michigan.	Mt. Pleasant, J. H. Brown & Son.	140	7.77	9.50	8.00	
6128	----- The Larowe Milling Co., Detroit, Michigan.	Ambler, J. Watson Craft,--	830	5.88	10.19	8.00	
6062	----- The Larowe Milling Co., Detroit, Michigan.	Chalfont, F. D. Hartzel's Sons.	764	5.57	9.81	9.00	
6085	----- The Larowe Milling Co., Detroit, Michigan.	West Point, L. W. Mat-tern.	787	7.70	9.06	8.00	
5855	----- The Larowe Milling Co., Detroit, Michigan.	Washington, Henry O. Myers.	592	8.71	8.94	8.00	
5778	----- The Larowe Milling Co., Detroit, Michigan.	Windber, L. B. Reeser & Co.	548	8.15	9.56	8.00	
6099	----- The Larowe Milling Co., Detroit, Michigan.	Hatfield, George S. Snyder Estate.	801	5.83	10.44	8.00	
5259	----- The Larowe Milling Co., Detroit, Michigan.	Johnstown, Swope Bros.,--	59	8.02	8.63	8.60	
5409	----- The Larowe Milling Co., Detroit, Michigan.	Downingtown, Wells & Walker.	207	8.64	9.31	8.00	
6135	----- The Larowe Milling Co., Detroit, Michigan.	Elizabethtown, E. H. Lemman.	837	6.92	9.67	9.00	
5822	----- Michigan Sugar Co., Sebawaing, Mich.	Mechanicsburg, A. B. Har-nish.	51	7.75	8.88	8.00	
		Average, -----		7.48	9.39	-----	

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.00	Per ct. 2.00	Per ct. 29.85	Per ct. 30.00	\$25 00	Pure alfalfa meal, -----	As certified, -----	5352
2.00	2.00	29.75	25.00	30 00	Alfalfa hay, -----	As certified, -----	5908
2.47	-----	29.53	-----	30 45	•		
1.83	1.00	13.58	30.00	1 50	Made from alfalfa and syrup.	As certified, -----	5950
0.69	0.50	13.44	26.00	1 50	Alfalfa and molasses, --	As certified, -----	5602
1.81	1.50	17.49	18.00	1 50	Made from alfalfa and molasses.	As certified, -----	6111
1.44	-----	14.83	-----	30 00			
1.60	.50	18.15	20.00	1 35	Residue of sugar beets dried after extraction of sugar.	As certified, -----	5702
1.28	.50	17.70	20.00	28 00	Residue of sugar beets dried after extraction of sugar.	As certified, -----	5255
1.20	.50	12.55	20.00	1 50	Residue of sugar beets dried after extraction of sugar.	As certified, -----	5997
1.03	.50	18.52	20.00	25 00	Residue of sugar beets dried after extraction of sugar.	As certified, -----	5342
0.88	.50	19.85	20.00	1 40	Residue of sugar beets dried after extraction of sugar.	As certified, -----	6128
0.85	.50	16.50	20.00	25 50	Molasses and residue of sugar beets dried after extraction of sugar.	As certified, -----	6062
1.95	.50	18.57	20.00	26 00	Molasses and residue of sugar beets dried after extraction of sugar.	As certified, -----	6085
1.58	.50	18.77	20.00	1 50	Residue of sugar beets dried after extraction of sugar.	As certified, -----	5855
1.10	.50	18.90	20.00	1 30	Residue of sugar beets dried after extraction of sugar.	As certified, -----	5778
1.80	.50	17.60	20.00	26 00	Residue of sugar beets dried after extraction of sugar.	As certified, -----	6099
1.18	.50	18.00	20.00	1 40	Residue of sugar beets dried after extraction of sugar.	As certified, -----	5259
1.40	.50	19.15	20.00	25 00	Residue of sugar beets dried after extraction of sugar.	As certified, -----	5409
1.66	.50	17.81	18.00	25 00	Dried beet pulp 90 per cent., beet molasses 10 per cent.	As certified, -----	6135
1.30	0.50	19.47	20.00	25 50	Residue of sugar beets dried after extraction of sugar.	As certified, -----	5822
1.35	-----	17.97	-----	26 79			

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
MIXED FEEDS.						
Proprietary Dairy and Stock Feeds.						
5525	Acme Feed, Acme Milling Co., Olean, N. Y.	Coudersport, Gates Bros.,	323	Per ct. 8.81	Per ct. 8.44	Per ct. 7.00
5587	Dairy Feed, Altoona Grain and Feed Co., Altoona, Pa.	Altoona, Altoona Grain and Feed Co.	385	10.70	10.06	9.00
5593	Dairy Feed, Altoona Grain and Feed Co., Altoona, Pa.	Altoona, Altoona Grain and Feed Co.	391	9.55	10.75	9.00
Average, -----				10.12	10.41	-----
5968	Sucrene Dairy Feed, American Milling Co., Chicago, Ill.	Manor, Hiram Altman & Son.	670	11.36	16.57	16.50
6056	Sucrene, Dairy Feed, American Milling Co., Chicago, Ill.	Doylestown, Henry S. Beidler.	758	11.95	17.41	16.50
5608	Sucrene Dairy Feed, American Milling Co., Chicago, Ill.	Williamsport, F. W. Dawson & Son.	406	9.46	17.12	16.50
5917	Sucrene, Dairy Feed, American Milling Co., Chicago, Ill.	McKeesport, A Davidson, --	645	13.21	15.96	16.50
5786	Sucrene Dairy Feed, American Milling Co., Chicago, Ill.	Somerset, John G. Emert,	556	11.78	16.36	16.50
5279	Sucrene Dairy Feed, American Milling Co., Chicago, Ill.	Lancaster, Esbenshade & Co.	77	11.63	14.94	16.50

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.	\$1 20	Corn, hominy and oat hulls.	As certified, -----	5525
4.20	3.00	7.10	9.00				
5.60	4.00	6.00	9.00	1 50	Corn chop, bran, alfalfa, hominy feed and oil meal.	As certified, -----	5557
6.33	4.00	7.60	9.00	30 00	Corn chop, bran, hominy feed and oil meal.	Corn chop, wheat bran, hominy feed, oil meal, alfalfa meal, oats, oat middlings and oat hulls.	5593
5.97	-----	6.80	-----	30 00			
4.39	3.50	11.94	12.00	25 00	Cottonseed meal, gluten feed, molasses, oat clippings and mixed broken grains from wheat, oat and barley screenings and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5948
6.30	3.50	11.07	12.00	26 00	Cottonseed meal, gluten feed, molasses, oat clippings and mixed broken grains from wheat, oat and barley screenings and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	6056
4.72	3.50	11.75	12.00	1 25	Cottonseed meal, oats, barley, wheat, malt sprouts, molasses and mixed broken grains from wheat, oat, buckwheat and barley screenings and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5608
4.51	3.50	12.54	12.00	26 00	Cottonseed meal, gluten feed, molasses, oat clippings and mixed broken grains from wheat, oat and barley screenings and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5917
4.26	3.50	13.45	12.00	27 00	Cottonseed meal, oats, barley, wheat, malt sprouts, molasses and mixed broken grains from wheat, oat, buckwheat and barley screenings and $\frac{1}{2}$ of 1 per cent. salt.	Cottonseed meal, oats, barley, wheat, malt sprouts, molasses and mixed broken grains from wheat, oat, buckwheat and barley screenings, a small amount of weed seeds and $\frac{1}{2}$ of 1 per cent. salt.	5786
3.84	3.50	11.30	12.00	25 00	Cottonseed meal, oats, barley, wheat, malt sprouts, molasses and mixed broken grains from wheat, oat, buckwheat and barley screenings and $\frac{1}{2}$ of 1 per cent. salt.	Cottonseed meal, oats, barley, wheat, malt sprouts, molasses and mixed broken grains from wheat, oat, buckwheat and barley screenings, a small amount of weed seeds and $\frac{1}{2}$ of 1 per cent. salt.	5279

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
5289	Suerene Dairy Feed, American Milling Co., Chicago, Ill.	Lancaster, John W. Eshelman.	87	Per ct. 11.16	Per ct. 17.06	Per ct. 16.50
5687	Suerene Dairy Feed, American Milling Co., Chicago, Ill.	Monongahela, D. E. Gamble.	485	11.75	17.32	16.50
5382	Suerene Dairy Feed, American Milling Co., Chicago, Ill.	York, A. F. Gross & Son,	180	11.12	15.71	16.50
5664	Suerene Dairy Feed, American Milling Co., Chicago, Ill.	Sunbury, Kift Milling Co.,	462	10.36	17.02	16.50
6012	Suerene Dairy Feed, American Milling Co., Chicago, Ill.	Linesville, Linesville Coal, Lime and Cement Co.	714	9.33	18.43	16.50
6144	Suerene Dairy Feed, American Milling Co., Chicago, Ill.	Rohrerstown, Miller & Bushong.	846	13.39	16.68	16.50
5312	Suerene Dairy Feed, American Milling Co., Chicago, Ill.	Manheim, F. K. Nauman,	110	11.82	15.91	16.50
5954	Suerene Dairy Feed, American Milling Co., Chicago, Ill.	Orefield, W. B. Newhard & Co.	83	9.96	16.56	16.50

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
4.78	3.50	7.17	12.00	\$24 50	Cottonseed meal, oats, barley, wheat, malt sprouts, molasses and mixed broken grains from wheat, oat, buckwheat and barley screenings and $\frac{1}{2}$ of 1 per cent. salt.	Cottonseed meal, oats, barley, wheat, malt sprouts, molasses and mixed broken grains from wheat, oat, buckwheat and barley screenings, a small amount of weed seeds and $\frac{1}{2}$ of 1 per cent. salt.	5289
5.41	3.50	12.48	12.00	26 00	Cottonseed meal, oats, barley, wheat, malt sprouts, molasses and mixed broken grains from wheat, oat, buckwheat and barley screenings and $\frac{1}{2}$ of 1 per cent. salt.	Cottonseed meal, oats, barley, wheat, malt sprouts, molasses and mixed broken grains from wheat, oat, buckwheat and barley screenings, a small amount of weed seeds and $\frac{1}{2}$ of 1 per cent. salt.	5687
4.98	3.50	11.02	12.00	1 33	Cottonseed meal, oats, barley, wheat, malt sprouts, molasses and mixed broken grains from wheat, oat, buckwheat and barley screenings and $\frac{1}{2}$ of 1 per cent. salt.	Cottonseed meal, oats, barley, wheat, malt sprouts, molasses and mixed broken grains from wheat, oat, buckwheat and barley screenings, a small amount of weed seeds and $\frac{1}{2}$ of 1 per cent. salt.	5382
4.94	3.50	11.96	12.00	26 00	Cottonseed meal, oats, barley, wheat, malt sprouts, molasses and mixed broken grains from wheat, oat, buckwheat and barley screenings and $\frac{1}{2}$ of 1 per cent. salt.	Cottonseed meal, oats, barley, wheat, malt sprouts, molasses and mixed broken grains from wheat, oat, buckwheat and barley screenings, a small amount of weed seeds and $\frac{1}{2}$ of 1 per cent. salt.	5064
6.10	3.50	11.17	12.00	24 00	Cottonseed meal, gluten feed, oats, barley, wheat, molasses and mixed broken grains from wheat, oat, buckwheat and barley screenings and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	6012
4.34	3.50	12.02	12.00	25 50	Cottonseed meal, gluten feed, molasses, oat clippings and mixed broken grains from wheat, oat and barley screenings and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	6144
7.00	3.50	12.83	12.00	26 00	Cottonseed meal, oats, barley, wheat, malt sprouts, molasses and mixed broken grains from wheat, oat, buckwheat and barley screenings and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5312
3.89	3.50	13.17	12.00	26 00	Cottonseed meal, gluten feed, molasses, oat clippings and mixed broken grains from wheat, oat and barley screenings and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5954

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
5925	Sucrene Dairy Feed, American Milling Co., Chicago, Ill.	Allentown, George B. Shelly,	72	Per ct. 12.04	Per ct. 17.04	Per ct. 16.50
5826	Sucrene Dairy Feed, American Milling Co., Chicago, Ill.	Halifax, A. M. Smith, ---	55	11.04	16.43	16.50
5636	Sucrene Dairy Feed, American Milling Co., Chicago, Ill.	Troy, Snedeker & Mitchell,	434	12.00	17.20	16.50
5714	Sucrene Dairy Feed, American Milling Co., Chicago, Ill.	New Castle, P. Wagner & Son.	512	12.11	15.00	16.50
5910	Sucrene Dairy Feed, American Milling Co., Chicago, Ill.	Irwin, T. F. Wilson Co.,---	638	12.54	16.69	16.50
5241	Sucrene Dairy Feed, American Milling Co., Chicago, Ill.	Prescott, Ephraim Zug, ---	41	11.91	15.70	16.50
		Average, -----		11.49	16.56	-----
5670	Sucrene Mixing Feed, American Milling Co., Chicago, Ill.	Sunbury, Kift Milling Co.,	468	9.26	12.23	10.00
5288	Sucrene Quality Feed, American Milling Co., Chicago, Ill.	Lancaster, John W. Eshelman.	86	11.02	21.01	20.00
5383	Sucrene Stock Feed, American Milling Co., Chicago, Ill.	York, A. F. Gross & Son,	181	9.72	10.19	10.00

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.30	Per ct. 3.50	Per ct. 11.51	Per ct. 12.00	\$27 00	Cottonseed meal, gluten feed, oats, barley, wheat, molasses and mixed broken grains from wheat, oat, buckwheat, oat and barley screenings and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5925
5.14	3.50	13.14	12.00	1 25	Cottonseed meal, oats, barley, wheat, malt sprouts, molasses and mixed broken grains from wheat, oat, buckwheat and barley screenings and $\frac{1}{2}$ of 1 per cent. salt.	Cottonseed meal, oats, barley, wheat, malt sprouts, molasses and mixed broken grains from wheat, oats, buckwheat and barley screenings, a small amount of weed seeds and $\frac{1}{2}$ of 1 per cent. salt.	5824
5.50	3.50	11.83	12.00	25 00	Cottonseed meal, oats, barley, wheat, malt sprouts, molasses and mixed broken grains from wheat, oat, buckwheat and barley screenings and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5636
5.05	3.50	10.81	12.00	26 00	Cottonseed meal, oats, barley, wheat, malt sprouts, molasses and mixed broken grains from wheat, oat, buckwheat and barley screenings and $\frac{1}{2}$ of 1 per cent. salt.	Cottonseed meal, oats, barley, wheat, malt sprouts, molasses and mixed broken grains from wheat, oats, buckwheat and barley screenings, chaff, weed seeds and $\frac{1}{2}$ of 1 per cent. salt.	5714
4.53	3.50	11.78	12.00	25 00	Cottonseed meal, gluten feed, oats, barley, wheat, molasses and mixed broken grains from wheat, oat, buckwheat and barley screenings and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5910
6.54	3.50	12.99	12.00	24 00	Cottonseed meal, oats, barley, wheat, malt sprouts, molasses and mixed broken grains from wheat, oat, buckwheat and barley screenings and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5241
5.03	-----	11.78	-----	25 50			
4.84	2.00	16.15	12.00	1 20	Oats, barley, wheat, malt sprouts, molasses and mixed broken grains from wheat, oat, buckwheat and barley screenings and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5670
4.34	4.00	10.82	10.00	27 00	Cottonseed meal, dried grains, oats, barley, wheat, malt sprouts, molasses and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5283
3.68	3.50	8.60	13.50	1 45	Corn, oats, barley, wheat, buckwheat, linseed meal and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5383

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
6025	Ubiko Union Grains, Biles Ready Dairy Rations, The J. W. Biles Co., Cincinnati, Ohio.	Erie, A. P. Allen, -----	727	Per ct. 7.34	Per ct. 24.69	Per ct. 24.90
5641	Ubiko Union Grains, Biles Ready Dairy Rations, The J. W. Biles Co., Cincinnati, Ohio.	Wellsboro, George C. and F. A. Brooks.	442	7.87	24.75	24.00
5508	Ubiko Union Grains, Biles Ready Dairy Rations, The J. W. Biles Co., Cincinnati, Ohio.	Bradford, L. A. Fischer & Co.	306	7.25	25.38	24.00
5437	Ubiko Union Grains, Biles Ready Dairy Rations, The J. W. Biles Co., Cincinnati, Ohio.	Beaver Falls, M. W. McCandless.	235	6.33	25.50	24.00
5526	Ubiko Union Grains, Biles Ready Dairy Rations, The J. W. Biles Co., Cincinnati, Ohio.	Emporium, E. J. Rogers,	324	7.33	25.44	24.00
5704	Ubiko Union Grains, Biles Ready Dairy Rations, The J. W. Biles Co., Cincinnati, Ohio.	Indiana, St. Clair, Rinn & Co.	502	7.45	25.38	24.00
5933	Ubiko Union Grains, Biles Ready Dairy Rations, The J. W. Biles Co., Cincinnati, Ohio.	South Bethlehem, C. C. Lynn & Co.	80	6.75	26.06	24.00

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 8.40	Per ct. 7.00	Per ct. 9.10	Per ct. 9.00	\$31.00	Fourex distillers' dried grains, choice cottonseed meal, old process linseed meal, white wheat middlings, winter wheat bran, hominy meal, brewers' dried grains, barley, malt sprouts and $\frac{3}{4}$ of 1 per cent. salt.	As certified, -----	6025
8.00	7.00	9.05	9.00	28.50	Fourex distillers' dried grains, choice cottonseed meal, old process linseed meal, white wheat middlings, winter wheat bran, hominy meal, barley, malt sprouts and $\frac{3}{4}$ of 1 per cent. salt.	As certified, -----	5644
8.50	7.00	9.30	9.00	1.65	Fourex distillers' dried grains, choice cottonseed meal, old process linseed meal, white wheat middlings, winter wheat bran, hominy meal, barley, malt sprouts and $\frac{3}{4}$ of 1 per cent. salt.	As certified, -----	5508
8.90	7.00	9.27	9.00	31.00	Fourex distillers' dried grains, choice cottonseed meal, old process linseed meal, white wheat middlings, winter wheat bran, hominy meal, brewers' dried grains, barley, malt sprouts and $\frac{3}{4}$ of 1 per cent. salt.	As certified, -----	5437
7.95	7.00	9.00	9.00	1.70	Fourex distillers' dried grains, choice cottonseed meal, old process linseed meal, white wheat middlings, winter wheat bran, hominy meal, brewers' dried grains, barley, malt sprouts and $\frac{3}{4}$ of 1 per cent. salt.	As certified, -----	5526
8.80	7.00	9.45	9.00	28.00	Fourex distillers' dried grains, choice cottonseed meal, old process linseed meal, white wheat middlings, winter wheat bran, hominy meal, barley, malt sprouts and $\frac{3}{4}$ of 1 per cent. salt.	As certified, -----	5704
8.20	7.00	9.20	9.00	32.00	Fourex distillers' dried grains, choice cottonseed meal, old process linseed meal, white wheat middlings, winter wheat bran, hominy meal, brewers' dried grains, barley, malt sprouts and $\frac{3}{4}$ of 1 per cent. salt.	As certified, -----	5933

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
5497	Ubiko Union Grains, Biles Ready Dairy Rations, The J. W. Biles Co., Cincinnati, Ohio.	Downingtown, Wells & Walker.	205	Per ct. 8.59	Per ct. 25.69	Per ct. 24.09
		Average, -----		7.36	25.36	-----
5631	Unicorn Dairy Ration, Chapin & Co., Buffalo, N. Y.	Troy, Austin Leonard, ---	429	7.45	27.31	26.00
5646	Unicorn Dairy Ration, Chapin & Co., Buffalo, N. Y.	Westfield, H. Z. Pride & Son.	444	8.12	26.81	26.00
5974	Unicorn Dairy Ration, Chapin & Co., Buffalo, N. Y.	Pittsburg, The I. W. Scott Co.	676	7.28	27.88	26.00
5733	Unicorn Dairy Ration, Chapin & Co., Buffalo, N. Y.	Wysox, Smith & Waldo, --	10	8.23	25.75	26.00
		Average, -----		7.77	26.94	-----
5518	Chesbro's Stock Feed, Chesbro Milling Co., Salamanca, N. Y.	Bradford, Smith Bros., --	316	8.32	10.75	10-12
6186	White Cross Stock Feed, The Albert Dickinson Co., Chicago, Ill.	Wilmerding, Routh & Co.,	888	10.92	10.19	10.00
5897	Duffee's Mixed Feed, Clyde D. Duffee, Oil City, Pa.	Oil City, Clyde D. Duffee,	634	10.06	13.44	11-13
5957	Crystaloid Dairy Feed, Jonas F. Eby & Son, Lancaster, Pa.	Mertztown, D. W. Delong,	86	8.40	17.63	16.50
5423	Crystaloid Dairy Feed, Jonas F. Eby & Son, Lancaster, Pa.	Coatesville, T. J. Gay & Son.	221	11.03	16.78	16.50
		Average, -----		9.71	17.21	-----

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 7.89	Per ct. 7.00	Per ct. 9.75	Per ct. 9.00	\$32.00	Fourex distillers' dried grains, choice cottonseed meal, old process linseed meal, white wheat middlings, winter wheat bran, hominy meal, brewers' dried grains, barley, malt sprouts and $\frac{3}{4}$ of 1 per cent. salt.	As certified, -----	5407
8.32	-----	9.26	-----	31.19			
6.08	5.5-6.5	9.60	9.00	1.49	Distillers' feed, green diamond cottonseed meal, green diamond hominy, wheat or corn, gluten feed, barley feed, sprouts and pure wheat bran.	As certified, -----	5631
6.40	5.5-6.5	9.60	9-10	31.00	Distillers' feed, green diamond cottonseed meal, green diamond hominy, wheat or corn, gluten feed, barley feed, sprouts and pure wheat bran.	As certified, -----	5646
7.68	5.5-6.5	9.67	9-10	33.00	Distillers' feed, green diamond cottonseed meal, green diamond hominy, corn, gluten feed, barley feed, sprouts, brewers' grains and pure wheat bran.	As certified, -----	5974
6.68	5.5-6.5	8.72	9-10	30.00	-----	Distillers' grains, cottonseed meal, hominy meal, gluten feed, malt sprouts and wheat bran.	5733
6.71	-----	9.39	-----	30.50			
4.85	3.25-4.5	7.20	7-9	1.35	Corn, barley, cottonseed meal, oat shorts, oat middlings, oat hulls and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5518
4.58	3.50	4.85	10.00	1.75	Corn, oats, barley, wheat meal and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	6186
4.45	3-4	4.15	5-7	1.60	Corn meal, middlings and bran.	As certified, -----	5897
4.98	3.50	12.61	12.00	20.00	Cottonseed meal, oats, barley, wheat, malt sprouts, molasses and mixed broken grains wheat, oat, buckwheat and barley screenings and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5957
4.75	3.50	11.90	12.00	1.30	Cottonseed meal, oats, barley, wheat, malt sprouts, molasses and mixed broken grains wheat, oat, buckwheat and barley screenings and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5423
4.87	-----	12.25	-----	23.00			

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
6151	Elba Cotton Seed Feed, Elba Manufacturing Co., Charlotte, N. C.	Quarryville, Lancaster County Farmers' Association.	853	Per ct. 9.35	Per ct. 13.06	Per ct. 8.00
5768	Empire Feed, Empire Mills, Olean, N. Y.	Penfield, Penfield Supply Co.	538	9.61	9.38	7.5-9
5528	Emporium Feed, Emporium Milling Co., Emporium, Pa.	Emporium, C. B. Howard & Co.	326	9.04	11.00	7.63
5515	Faramel Dairy Feed, Faramel Manufacturing Co., Buffalo, N. Y.	Bradford, Smith Bros., ---	313	14.29	16.37	16.63
6160	Sugar Ring Feed, F. W. Goeke & Co., St. Louis, Mo.	Lewistown, H. C. Jackson,	862	10.09	12.97	11-13
6159	Holstein Sugar Feed, F. W. Goeke & Co., St. Louis, Mo.	Lewistown, H. C. Jackson,	861	6.33	15.56	15.00
5346	Boss Feed, The Great Western Cereal Co., Chicago, Ill.	Mt. Pleasant, J. H. Brown & Son.	144	10.82	9.44	8.00
5424	Boss Feed, The Great Western Cereal Co., Chicago, Ill.	Coatesville, T. Gay & Son,	222	10.00	8.69	8.00
5815	Boss Feed, The Great Western Cereal Co., Chicago, Ill.	Longsdorf, James P. Myers,	44	9.26	8.94	8.00
5830	Boss Feed, The Great Western Cereal Co., Chicago, Ill.	Elizabethville, J. A. Romberger.	59	9.94	9.06	8.00
5321	Boss Feed, The Great Western Cereal Co., Chicago, Ill.	Ephrata, S. M. Seldomridge.	119	9.50	8.44	8.00
5825	Boss Feed, The Great Western Cereal Co., Chicago, Ill.	Shippensburg, Wadle & Deal.	54	8.81	10.13	8.00
5240	Boss Feed, The Great Western Cereal Co., Chicago, Ill.	Prescott, Ephraim Zugg, --	40	9.26	8.81	8.00
		Average, -----		9.65	9.07	-----
5530	Daisy Dairy Feed, The Great Western Cereal Co., Chicago, Ill.	Emporium, Emporium Milling Co.	328	8.94	15.29	15.00

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 2.40	Per ct. 2.50	Per ct. 33.70	Per ct. 40.00	\$17 25	Cottonseed meal and cottonseed hulls.	As certified, -----	6151
2.98	3-5	5.38	9.00	1 50	Corn, hominy and oat hulls.	As certified, -----	5768
4.73	2.97	5.20	9.00	1 30	Corn, hominy, oats, oat hulls and oat middlings.	As certified, -----	5528
4.11	4.45	6.88	7.02	1 50	Gluten, malt sprouts, wheat bran, corn meal and molasses.	As certified, -----	5515
3.53	4.00	11.73	12.00	26 00	Wheat, corn, oats, barley, alfalfa meal, rice bran, screenings and molasses.	As certified, -----	6160
3.76	3.00	15.91	15.00	26 00	Molasses, wheat, corn, oats, barley, cottonseed meal, malt sprouts, alfalfa meal, screenings and salt.	As certified, -----	6159
5.03	3.50	8.22	9.00	1 30	Corn, hominy feed, oats, oat middlings, oat hulls and oat shorts. Maximum salt $\frac{3}{4}$ of 1 per cent.	As certified, -----	5346
3.75	3.50	9.20	9.00	1 30	Corn, hominy feed, oats, oat middlings, oat hulls and oat shorts. Maximum salt $\frac{3}{4}$ of 1 per cent.	As certified, -----	5424
4.00	3.50	7.92	9.00	24 00	Corn, hominy feed, oats, oat middlings, oat hulls and oat shorts. Maximum salt $\frac{3}{4}$ of 1 per cent.	As certified, -----	5815
3.73	3.50	6.70	9.00	25 00	Corn, hominy feed, oats, oat middlings, oat hulls and oat shorts. Maximum salt $\frac{3}{4}$ of 1 per cent.	As certified, -----	5830
4.58	3.50	7.42	9.00	24 00	Corn, hominy feed, oats, oat middlings, oat hulls and oat shorts. Maximum salt $\frac{3}{4}$ of 1 per cent.	As certified, -----	5321
5.70	3.50	7.90	9.00	28 00	Corn, hominy feed, oats, oat middlings, oat hulls and oat shorts. Maximum salt $\frac{3}{4}$ of 1 per cent.	As certified, -----	5825
5.00	3.50	7.77	9.00	22 00	Corn, hominy feed, oats, oat middlings, oat hulls and oat shorts. Maximum salt $\frac{3}{4}$ of 1 per cent.	As certified, -----	5240
4.54	-----	7.87	-----	25 00			
3.24	3.00	13.47	12.00	1 40	Oats, cottonseed meal, alfalfa meal, oat middlings, mixed broken grains from barley, oats, rye, etc., with N. O. molasses. Maximum salt $\frac{3}{4}$ of 1 per cent.	Cottonseed meal, oats, alfalfa meal, barley, rye, oat middlings, a large proportion of oat hulls, molasses and $\frac{3}{4}$ of 1 per cent. salt.	5520

TABLE VII.--ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
5772	Sterling Feed, The Great Western Cereal Co., Chicago, Ill.	Tyrone, Albright Bros., --	542	Per ct. 8.75	Per ct. 11.50	Per ct. 10.00
5434	Sterling Feed, The Great Western Cereal Co., Chicago, Ill.	Pittsburg, S. B. Floyd & Son.	232	10.79	10.81	10.00
5329	Sterling Feed, The Great Western Cereal Co., Chicago, Ill.	Latrobe, K. & L. Golde, --	127	10.88	11.00	10.00
5573	Sterling Feed, The Great Western Cereal Co., Chicago, Ill.	Philipsburg, Philipsburg Grist Mill.	371	9.47	10.63	10.00
5803	Sterling Feed, The Great Western Cereal Co., Chicago, Ill.	Shillington, J. P. Reeser, --	39	9.43	11.69	10.00
5829	Sterling Feed, The Great Western Cereal Co., Chicago, Ill.	Elizabethville, J. A. Romberger.	58	9.05	9.63	10.00
5783	Sterling Feed, The Great Western Cereal Co., Chicago, Ill.	Somerset, Saylor & Woy,--	553	8.95	11.50	10.00
5824	Sterling Feed, The Great Western Cereal Co., Chicago, Ill.	Shippensburg, Wadle & Deal,	53	9.09	10.44	10.00
		Average, -----		9.55	10.90	-----
5345	Sterling Stock Feed, The Great Western Cereal Co., Chicago, Ill.	Mt. Pleasant, J. H. Brown & Son.	143	10.20	11.13	10.00
5616	Sterling Stock Feed, The Great Western Cereal Co., Chicago, Ill.	Williamsport, M. E. Donnel & Co.	414	9.18	10.44	10.00
5408	Sterling Stock Feed, The Great Western Cereal Co., Chicago, Ill.	Kittanning, William Gates Estate.	266	9.94	10.50	10.00
		Average, -----		9.77	10.69	-----

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
4.00	4.00	9.22	9.00	\$29 00	Corn, oats, barley, cottonseed meal, red dog flour, oat meal mill by-products (oat middlings, oat hulls and oat shorts). Maximum salt $\frac{3}{4}$ of 1 per cent.	As certified, -----	5772
4.00	4.00	7.42	9.00	23 00	Corn, oats, barley, cottonseed meal, red dog flour, oat shorts, oat hulls and oat middlings. Maximum salt $\frac{3}{4}$ of 1 per cent.	As certified, -----	5434
3.75	4.00	7.20	9.00	25 00	Corn, oats, barley, cottonseed meal, red dog flour, oat shorts, oat hulls and oat middlings. Maximum salt $\frac{3}{4}$ of 1 per cent.	As certified, -----	5329
4.13	4.00	6.65	9.00	26 00	Corn, oats, barley, cottonseed meal, red dog flour, oat shorts, oat hulls and oat middlings. Maximum salt $\frac{3}{4}$ of 1 per cent.	As certified, -----	5573
2.08	4.00	7.05	9.00	28 00	Corn, oats, barley, cottonseed meal, red dog flour, oat shorts, oat hulls and oat middlings. Maximum salt $\frac{3}{4}$ of 1 per cent.	As certified, -----	5803
3.16	4.00	8.05	9.00	26 00	Corn, oats, barley, cottonseed meal, red dog flour, oat shorts, oat hulls and oat middlings. Maximum salt $\frac{3}{4}$ of 1 per cent.	As certified, -----	5529
3.53	4.00	8.92	9.00	1 50	Corn, oats, barley, cottonseed meal, red dog flour, oat shorts, oat hulls and oat middlings. Maximum salt $\frac{3}{4}$ of 1 per cent.	As certified, -----	5783
3.33	4.00	6.27	9.00	30 00	Corn, oats, barley, cottonseed meal, red dog flour, oat meal mill by-products (oat middlings, oat hulls and oat shorts). Maximum salt $\frac{3}{4}$ of 1 per cent.	As certified, -----	5824
3.62	-----	7.59	-----	27 13			
4.25	4.00	8.52	9.00	25 60	Corn, oats, barley, cottonseed meal, red dog flour, oat shorts and oat hulls. Maximum salt $\frac{3}{4}$ of 1 per cent.	As certified, -----	5345
4.90	4.00	6.45	9.00	1 35	Corn, oats, barley, cottonseed meal, red dog flour, oat shorts and oat hulls. Maximum salt $\frac{3}{4}$ of 1 per cent.	As certified, -----	5616
4.00	4.00	8.17	9.00	1 20	Corn, oats, barley, cottonseed meal, red dog flour, oat shorts and oat hulls. Maximum salt $\frac{3}{4}$ of 1 per cent.	As certified, -----	5468
4.38	-----	7.71	-----	25 33			

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
5584	H. & S. Alfalfa Feed, Dwight E. Hamlin & Co., Pittsburg, Pa.	Osceola, Brown, Baird & Reeve.	382	Per et. 16.19	Per et. 20.66	Per et. 16.00
5847	H. & S. Alfalfa Feed, Dwight E. Hamlin & Co., Pittsburg, Pa.	Washington, C. B. Ruch, --	584	10.79	13.11	12.00
6066	Husted Molasses Feed, Husted Milling Co., Buffalo, N. Y.	Cohmar, C. R. Rosenberger,	768	11.72	22.97	18-20
5632	Husted Molasses Feed, Husted Milling Co., Buffalo, N. Y.	Troy, Snedeker & Mitchell,	430	12.10	20.56	18-20
5630	Husted Molasses Feed, Husted Milling Co., Buffalo, N. Y.	Troy, H. M. Spalding & Son,	428	12.84	21.59	18-20
		Average, -----		12.22	21.71	-----
5320	Mayflower Stock Feed, Husted Milling Co., Buffalo, N. Y.	Lititz, Elmer Eby, -----	118	10.06	9.81	7.5-9
5696	Imperial Feed Meal, The Imperial Grain and Milling Co., Toledo, Ohio.	Blairsville, George J. New,	494	10.18	8.56	7.00
5700	International Dairy Feed, International Sugar Feed Minneapolis, Minn.	Homer City, A. George & Son.	498	11.70	18.71	16.50
5473	International Dairy Feed, International Sugar Feed Minneapolis, Minn.	Parnassus, Johnston & Hamilton.	271	11.88	17.15	16.50
6180	International Dairy Feed, International Sugar Feed Minneapolis, Minn.	Jeannette, Keystone Supply Co.	882	12.72	16.14	16.50
5353	International Dairy Feed, International Sugar Feed Minneapolis, Minn.	Uniontown, King Bros., ---	151	11.37	17.00	16.50
5380	International Dairy Feed, International Sugar Feed Minneapolis, Minn.	Charleroi, R. C. Mountser,	178	11.41	18.10	16.50
		Average, -----		11.81	17.42	-----

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 3.44	Per ct. 3.50	Per ct. 15.42	Per ct. 16.00	\$2 00	Alfalfa, molasses and brewers' grains.	As certified, -----	5584
3.62	3.50	8.62	10.00	36 00	Alfalfa, corn, dried grains and molasses.	As certified, -----	5847
5.11	4-6	9.27	8-9	23 00	Cottonseed meal, gluten, oat clippings, corn, oil meal, distillers' grains, molasses and $\frac{3}{4}$ of 1 per cent. salt.	As certified, -----	6066
5.11	4-6	8.37	8-9	1 40	Cottonseed meal, gluten, oat clippings, corn, oil meal, molasses and $\frac{3}{4}$ of 1 per cent. salt.	As certified, -----	5632
5.76	4-6	7.94	8-9	1 35	Cottonseed meal, gluten, oat clippings, corn, oil meal, distillers' grains, molasses and $\frac{3}{4}$ of 1 per cent. salt.	As certified, -----	5630
5.33	-----	8.52	-----	27 67			
5.80	3.5-4.5	6.67	7-9	24 50	Corn, oats, oat hulls and $\frac{3}{4}$ of 1 per cent. salt.	As certified, -----	5320
3.70	2.50	5.65	9.00	25 00	Ear corn and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5696
6.35	3.50	12.73	12.00	25 00	Cottonseed meal, molasses, mixed broken grains of cereal plants, separated from wheat, oats, barley and flax screenings, oat clips and salt.	Cottonseed meal, molasses, mixed broken grains of cereal plants separated from wheat, oats, barley and flax screenings, a large amount of weed seeds, chaff, oat clips and salt.	5700
5.59	3.50	13.44	12.00	29 00	Cottonseed meal, molasses, mixed broken grains of cereal plants, separated from wheat, oats, barley and flax screenings, oat clips and salt.	Cottonseed meal, molasses, mixed broken grains of cereal plants separated from wheat, oats, barley and flax screenings, a small amount of weed seeds and chaff and salt.	5473
5.34	3.50	11.75	12.00	28 00	Cottonseed meal, molasses, mixed broken grains of cereal plants, separated from wheat, oats, barley and flax screenings, oat clips and salt.	As certified, -----	6180
5.03	3.50	14.07	12.00	29 00	Cottonseed meal, molasses, mixed broken grains, including wheat, oats, barley, buckwheat, flax, oat clips and salt.	As certified, -----	5353
5.40	3.50	12.44	12.00	29 00	Cottonseed meal, molasses, mixed broken grains, including wheat, oats, barley, buckwheat, flax, oat clips and salt.	As certified, -----	5389
5.54	-----	12.88	-----	23 00			

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
5859	International Molasses Feed, International Sugar Feed Co., Minneapolis, Minn.	Canonsburg, Canonsburg Milling Co.	596	Per ct. 7.63	Per ct. 13.11	Per ct. 10.00
5860	International Special Molasses Feed, International Sugar Feed Co., Minneapolis, Minn.	Canonsburg, Canonsburg Milling Co.	597	7.47	15.13	12.50
5699	International Special Molasses Feed, International Sugar Feed Co., Minneapolis, Minn.	Homer City, A. George & Son.	497	11.77	13.42	12.50
6179	International Special Molasses Feed, International Sugar Feed Co., Minneapolis, Minn.	Jeannette, Keystone Supply Co.	881	11.36	15.53	12.50
		Average, -----		10.20	14.09	-----
5273	Kornfalfa Feed, Kornfalfa Feed Milling Co., Kansas City, Mo.	Butler, H. J. Klingler & Co.	71	9.18	11.00	11.00
6198	Kornfalfa Feed, Kornfalfa Feed Milling Co., Kansas City, Mo.	Pittsburg, Daniel McCaffrey's Sons Co.	900	8.64	11.50	10.00
6118	Kornfalfa Feed, Kornfalfa Feed Milling Co., Kansas City, Mo.	Chester, T. Frank McCall.	820	9.12	11.81	10.00
		Average, -----		8.98	11.44	-----
6027	Badger Dairy Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	Erie, A. P. Allen, -----	729	13.43	19.22	16.00
5964	Badger Dairy Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	Green Lane, Frank Barndt,	93	13.40	19.50	16.00
6149	Badger Dairy Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	Quarryville, S. Book & Bro.	851	15.29	17.15	16.00
6104	Badger Dairy Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	Hatfield, George S. Snyder Estate.	806	14.72	17.45	16.00
5872	Badger Dairy Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	Huntingdon, J. Stouffer, --	609	14.13	16.43	16.00

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
5.24	3.50	12.24	12.00	\$22 00	Molasses, mixed broken grains of cereal plants, separated from wheat, oats, barley and flax screenings, oat clips and salt.	As certified, -----	5859
5.66	3.50	12.22	12.00	24 00	Cottonseed meal, molasses, mixed broken grains of cereal plants, separated from wheat, oats, barley and flax screenings, oat clips and salt.	As certified, -----	5860
6.12	3.50	14.88	12.00	23 00	Cottonseed meal, molasses, mixed broken grains of cereal plants, separated from wheat, oats, barley and flax screenings, oat clips and salt.	Cottonseed meal, molasses, mixed broken grains of cereal plants separated from wheat, oats, barley and flax screenings oat clips, large amount of weed seeds, chaff and salt.	5699
5.44	3.50	12.59	12.00	26 00	Cottonseed meal, molasses, mixed broken grains of cereal plants, separated from wheat, oats, barley and flax screenings, oat clips and salt.	As certified, -----	6179
5.74	-----	13.23	-----	24 33			
3.80	4.00	10.85	12.00	1 60	Alfalfa, corn and oats,--	As certified, -----	5273
3.60	3.50	12.15	12.00	1 75	Alfalfa, corn and oats,--	As certified, -----	6198
4.05	3.50	12.57	12.00	35 00	Alfalfa, corn and oats,--	As certified, -----	6118
3.82	-----	11.85	-----	34 00			
3.84	2.00	11.89	15.00	27 00	Cottonseed meal, corn oil meal, malt sprouts, dried grains, alfalfa meal, molasses and $\frac{1}{4}$ of 1 per cent. salt.	As certified, -----	6027
3.82	2.00	11.61	15.00	1 30	Cottonseed meal, corn oil meal, malt sprouts, dried grains, alfalfa meal, molasses and $\frac{1}{4}$ of 1 per cent. salt.	As certified, -----	5964
4.24	2.00	11.10	15.00	25 00	Cottonseed meal, corn oil meal, malt sprouts, dried grains, alfalfa meal; molasses and $\frac{1}{4}$ of 1 per cent. salt.	As certified, -----	6149
2.84	2.00	11.66	15.00	26 00	Cottonseed meal, corn oil meal, dried grains, malt sprouts, alfalfa meal, molasses and $\frac{1}{4}$ of 1 per cent. salt.	As certified, -----	6104
4.76	2.00	10.47	15.00	27 00	Cottonseed meal, corn oil meal, malt sprouts, dried grains, alfalfa meal, molasses and $\frac{1}{4}$ of 1 per cent. salt.	As certified, -----	5872

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
5799	Badger Dairy Feed, Chas. A. Krause Milling Co., Milwaukee, Wis.	Hamburg, Union Roller Mills.	35	Per ct. 12.68	Per ct. 19.11	Per ct. 16.00
		Average, -----		13.94	18.14	-----
5410	Badger Dairy Feed, The Perfect Balanced Ration, Chas. A. Krause Milling Co., Milwaukee, Wis.	West Grove, S. K. Chambers & Bro.	208	15.36	15.92	16.00
5650	Badger Dairy Feed, The Perfect Balanced Ration, Chas. A. Krause Milling Co., Milwaukee, Wis.	Knoxville, Deerfield Milling Co.	448	11.16	17.54	16-18
5494	Badger Dairy Feed, The Perfect Balanced Ration, Chas. A. Krause Milling Co., Milwaukee, Wis.	St. Marys, L. Ritter, -----	292	17.13	17.11	16.00
5386	Badger Dairy Feed, The Perfect Balanced Ration, Chas. A. Krause Milling Co., Milwaukee, Wis.	York, H. H. Smyser, -----	184	14.82	15.95	16.00
5023	Badger Dairy Feed, The Perfect Balanced Ration, Chas. A. Krause Milling Co., Milwaukee, Wis.	Williamsport, John T. Stahlnecker.	421	12.80	16.34	16.00
5234	Badger Dairy Feed, The Perfect Balanced Ration, Chas. A. Krause Milling Co., Milwaukee, Wis.	Palmira, A. S. Stauffer, --	34	10.96	17.60	16-18
5416	Badger Dairy Feed, The Perfect Balanced Ration, Chas. A. Krause Milling Co., Milwaukee, Wis.	Kennett Square, W. H. Walker & Bro.	214	14.70	17.75	16.00
		Average, -----		13.84	16.89	-----
5673	McMahan's Concentrated Protein Feed, O. H. McMahan, Milton, Pa.	Milton, C. H. McMahan, --	471	7.28	32.31	28-30
5676	Milk and Muscle Producer, C. H. McMahan, Milton, Pa.	Milton, C. H. McMahan, --	474	7.40	26.31	23-25
5671	Special Plg Grower, O. H. McMahan, Milton, Pa.	Milton, C. H. McMahan, --	469	8.79	16.63	15-15.87

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 6.52	Per ct. 2.00	Per ct. 9.25	Per ct. 15.00	\$25 00	Cottonseed meal, corn oil meal, malt sprouts, dried grains, alfalfa meal, molasses and $\frac{1}{4}$ of 1 per cent. salt.	As certified, -----	5799
4.34	-----	10.99	-----	26 00			
2.77	2.00	14.72	15.00	27 00	Cottonseed meal, dried grains, malt sprouts, alfalfa meal, molasses and $\frac{1}{4}$ of 1 per cent. salt.	As certified, -----	5410
5.10	3.5-4.5	14.87	14.00	1 30	Cottonseed meal, distillers' grains, brewers' grains, malt sprouts, corn, oats, barley, low grade wheat, alfalfa meal, molasses and $\frac{1}{4}$ of 1 per cent. salt.	Cottonseed meal, distillers' grains, brewers' grains, malt sprouts, corn, oats, barley, low grade wheat, alfalfa meal, small amount of weed seeds, molasses and $\frac{1}{4}$ of 1 per cent. salt.	5650
2.59	2.00	11.93	15.00	1 40	Cottonseed meal, dried grains, malt sprouts, alfalfa meal, molasses and $\frac{1}{4}$ of 1 per cent. salt.	As certified, -----	5494
2.99	2.00	12.75	15.00	23 00	Cottonseed meal, dried grains, malt sprouts, alfalfa meal, molasses and $\frac{1}{4}$ of 1 per cent. salt.	As certified, -----	5386
2.23	2.00	14.79	15.00	1 25	Cottonseed meal, dried grains, malt sprouts, alfalfa meal, molasses and $\frac{1}{4}$ of 1 per cent. salt.	As certified, -----	5623
6.46	3.5-4.5	9.97	14.00	25 00	Cottonseed meal, dried grains, malt sprouts, corn, wheat, alfalfa, grain screenings, molasses and $\frac{1}{4}$ of 1 per cent. salt.	Cottonseed meal, dried brewers' grains, malt sprouts, corn, wheat, alfalfa, grain screenings, small amount of weed seeds, molasses and $\frac{1}{4}$ of 1 per cent. salt.	5234
2.24	2.00	14.30	15.00	26 60	Cottonseed meal, dried grains, malt sprouts, alfalfa meal, molasses and $\frac{1}{4}$ of 1 per cent. salt.	As certified, -----	5416
3.48	-----	13.39	-----	25 71			
7.02	7-8	12.52	11-11.5	30 00	Brewers' dried grains, malt sprouts and cottonseed meal.	As certified, -----	5673
6.60	7-9	10.47	10-11	28 00	Brewers' dried grains, malt sprouts, cottonseed meal and hominy meal.	As certified, -----	5676
7.90	8-8.5	7.25	6-7	1 40	Brewers' dried grains, malt sprouts, cottonseed meal and hominy meal.	As certified, -----	5671

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
5280	Sugarota Dairy Feed, North-West Mills Co., Winona, Minn.	Lancaster, Esbenschade & Co.	78	Per ct. 11.98	Per ct. 16.00	Per ct. 16.50
5405	Sugarota Dairy Feed, North-West Mills Co., Winona, Minn.	Spring Forge, Menges Bros. & Stauffer.	203	11.33	15.98	16.50
5765	Sugarota Dairy Feed, North-West Mills Co., Winona, Minn.	Stroudsburg, W. H. Montz & Son.	28	9.74	16.87	16-18
5297	Sugarota Dairy Feed, North-West Mills Co., Winona, Minn.	Lancaster, Sprecher & Ganss.	95	11.30	15.61	16.50
5237	Sugarota Dairy Feed, North-West Mills Co., Winona, Minn.	Palmyra, A. S. Stauffer,--	37	11.19	15.40	16.50
5222	Sugarota Dairy Feed, North-West Mills Co., Winona, Minn.	Lebanon, A. M. Weltmer's Sons.	22	11.43	14.89	16.50
		Average, -----		11.16	15.79	-----
5975	Otto Weiss Alfalfa Oats Food, The Otto Weiss Alfalfa Stock Food Co., Wichita, Kan.	Pittsburg, The I. W. Scott Co.	677	8.34	15.06	12.00
5922	Otto Weiss Alfalfa Oats Food, The Otto Weiss Alfalfa Stock Food Co., Wichita, Kan.	Carnegie, C. A. Foster, ---	650	9.25	13.13	11.00
		Average, -----		8.79	14.10	-----

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.60	Per ct. 3.50	Per ct. 13.23	Per ct. 14.00	\$25 00	Cottonseed meal, malt sprouts, mixed broken grains from screenings containing wheat, barley, oats, corn, flax and molasses and small per cent. of salt.	Cottonseed meal, malt sprouts, mixed broken grains from screenings containing wheat, barley, oats, corn, flax, a small amount of weed seeds, molasses and a small per cent. of salt.	5280
5.71	3.50	16.27	14.00	1 35	Cottonseed meal, malt sprouts, mixed broken grains from screenings containing wheat, barley, oats, corn, flax and molasses and small per cent. of salt.	Cottonseed meal, malt sprouts, mixed broken grains from screenings containing wheat, barley, oats, corn, flax, a considerable proportion of chaff and weed seeds, molasses and a small per cent. of salt.	5405
6.27	3-5	10.89	9.00	1 55	Cottonseed meal, flax bran, linseed meal, malt sprouts, mill feeds, molasses and salt.	Cottonseed meal, linseed meal, malt sprouts, flax plant refuse and shives, a large amount of weed seeds, molasses and salt.	5765
4.96	3.50	14.47	14.00	25 00	Cottonseed meal, malt sprouts, mixed broken grains from screenings containing wheat, barley, oats, corn, flax, molasses and small per cent. of salt.	Cottonseed meal, malt sprouts, mixed broken grains from screenings containing wheat, barley, oats, corn, flax, a small amount of weed seeds, molasses and a small per cent. of salt.	5297
5.83	3.50	15.16	14.00	25 00	Cottonseed meal, malt sprouts, mixed broken grains from screenings containing wheat, barley, oats, corn, flax, molasses and small per cent. of salt.	Cottonseed meal, malt sprouts, mixed broken grains from screenings containing wheat, barley, oats, corn, flax, a large proportion of chaff and weed seeds, molasses and a small per cent. of salt.	5237
5.38	3.50	14.97	14.00	26 00	Cottonseed meal, malt sprouts, mixed broken grains from screenings containing wheat, barley, oats, corn, flax, molasses and small per cent. of salt.	Cottonseed meal, malt sprouts, mixed broken grains from screenings containing wheat, barley, oats, corn, flax, a large proportion of weed seeds, molasses and small per cent. of salt.	5222
5.46	-----	14.16	-----	26 50			
4.78	3.50	14.30	10-15	34 00	Alfalfa, oats, corn chop, bran, linseed oil meal and $\frac{3}{4}$ of 1 per cent. salt.	As certified, -----	5975
3.68	3.50	9.70	14.00	34 00	Alfalfa, corn chop, bran, shorts, linseed oil meal and $\frac{3}{4}$ of 1 per cent. salt.	As certified, -----	5922
4.23	-----	12.00	-----	34 00			

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
5763	Yellow P. & S. Feed, Phelps & Sibley Co., Cuba, N. Y.	Carbondale, C. Ditchbrun's Sons.	26	Per ct. 9.09	Per ct. 9.13	Per ct. 7-8
5645	Yellow P. & S. Feed, Phelps & Sibley Co., Cuba, N. Y.	Westfield, H. Z. Pride & Son.	443	11.32	9.25	7-8
		Average, -----		10.20	9.19	-----
5888	Pioneer Stock Feed, The Pioneer Cereal Co., Akron, Ohio.	Everett, Calvin Howard, --	625	7.61	9.31	10.00
5887	Pioneer Stock Feed, The Pioneer Cereal Co., Akron, Ohio.	Bedford, D. W. Prosser, --	624	7.58	9.31	10.00
5683	Pioneer Stock Feed, The Pioneer Cereal Co., Akron, Ohio.	Homestead, Vallowe Bros.,	481	9.90	10.13	10.00
		Average, -----		8.36	9.58	-----
5348	Pritts' Cow Feed, J. E. Pritts, Scottdale, Pa.	Scottdale, J. E. Pritts, ---	146	10.14	21.00	18-22
5330	Blue Ribbon Dairy Feed, The Quaker Oats Co., Chicago, Ill.	Greensburg, W. N. Davis,---	128	7.73	26.13	25.00
5373	Blue Ribbon Dairy Feed, The Quaker Oats Co., Chicago, Ill.	Brownsville, Garwood & Luce.	171	5.29	26.81	25.00
5684	Blue Ribbon Dairy Feed, The Quaker Oats Co., Chicago, Ill.	Monongahela, H. R. Hanna,	482	8.76	24.87	25.00
5274	Blue Ribbon Dairy Feed, The Quaker Oats Co., Chicago, Ill.	Butler, H. J. Klingler & Co.	72	6.36	28.06	25.00
5375	Blue Ribbon Dairy Feed, The Quaker Oats Co., Chicago, Ill.	Belle Vernon, C. N. Luce,--	173	10.62	19.74	25.00
5984	Blue Ribbon Dairy Feed, The Quaker Oats Co., Chicago, Ill.	Derry, J. O. Nicely, -----	686	9.35	24.98	25.00
5971	Blue Ribbon Dairy Feed, The Quaker Oats Co., Chicago, Ill.	Pitcairn, D. F. Salyards, --	672	8.82	23.90	25.00
		Average, -----		8.13	24.93	-----

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 5.08	Per ct. 3-4	Per ct. 6.70	Per ct. 9.00	\$29 00	Composed of western corn and oat hulls.	As certified, -----	5763
4.38	3-4	6.05	9.00	26 00	Composed of western corn and oat hulls.	As certified, -----	5645
4.73	-----	6.37	-----	27 50			
3.68	3.50	8.92	9.00	1 50	Shelled corn, barley, oat shorts and oat middlings.	As certified, -----	5888
3.50	3.50	9.99	9.00	1 50	Shelled corn, barley, oat shorts and oat middlings.	As certified, -----	5887
4.80	8.50	7.32	3.50	1 60	Shelled corn, barley, oat shorts and oat middlings.	As certified, -----	5683
3.83	-----	8.74	-----	30 07			
5.08	5-8	8.70	13-15	1 50	Wheat bran, wheat middlings, corn chop, alfalfa meal and cottonseed meal.	As certified, -----	5348
5.47	4.50	9.93	9.00	30 00	Cottonseed meal, malt sprouts, bran, corn, oat meal mill by-product (oat shorts, oat hulls, oat middlings) and molasses.	As certified, -----	5330
5.15	4.50	9.95	9.00	1 50	Cottonseed meal, malt sprouts, bran, corn, oat meal mill by-product (oat shorts, oat hulls, oat middlings) and molasses.	As certified, -----	5373
5.15	4.50	11.36	9.00	1 50	Cottonseed meal, malt sprouts, bran, corn, oat meal mill by-product (oat shorts, oat hulls, oat middlings) and molasses.	As certified, -----	5684
4.43	4.50	10.60	9.00	1 60	Cottonseed meal, malt sprouts, bran, corn, oat meal mill by-product (oat shorts, oat hulls, oat middlings) and molasses.	As certified, -----	5274
4.93	4.50	9.15	9.00	28 00	Cottonseed meal, malt sprouts, bran, corn, oat meal mill by-product (oat shorts, oat hulls, oat middlings) and molasses.	As certified, -----	5375
4.10	4.00	9.44	9.00	1 60	Wheat bran, cottonseed meal, malt sprouts, corn, molasses, oat meal mill by-product (oat middlings, oat hulls, oat shorts) and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5984
4.92	4.00	10.14	9.00	1 75	Wheat bran, cottonseed meal, malt sprouts, corn, molasses, oat meal mill by-product (oat middlings, oat hulls, oat shorts) and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5971
4.89	-----	10.08	-----	31 00			

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
5790	Boss Feed, The Quaker Oats Co., Chicago, Ill.	Myersdale, Habel & Phillips.	560	Per ct. 8.85	Per ct. 8.94	Per ct. 8.00
6119	Boss Feed, The Quaker Oats Co., Chicago, Ill.	Chester, T. Frank McCall,--	821	8.51	9.38	8.00
		Average, -----		8.68	9.16	-----
5451	Buckeye Mixed Feed, The Quaker Oats Co., Chicago, Ill.	Monaca, Allen Davidson, --	249	9.53	16.81	13.00
5374	Buckeye Mixed Feed, The Quaker Oats Co., Chicago, Ill.	Brownsville, Garwood & Luce.	172	10.41	17.19	13.00
5944	Buckeye Mixed Feed, The Quaker Oats Co., Chicago, Ill.	Oil City, New Model Milling Co.	600	10.78	17.19	13.00
5755	Buckeye Mixed Feed, The Quaker Oats Co., Chicago, Ill.	Laceyville, Resseguie & Westcott.	18	10.48	17.06	13.00
5845	Buckeye Mixed Feed, The Quaker Oats Co., Chicago, Ill.	Washington, C. B. Ruch, --	582	10.54	17.00	13.00
		Average, -----		10.34	17.05	-----
5784	C. O. & B. Feed, The Quaker Oats Co., Chicago, Ill.	Somerset, H. C. Beerits' Sons.	554	8.04	11.56	10.00
5470	C. O. & B. Feed, The Quaker Oats Co., Chicago, Ill.	Kittanning, William Gates' Estate.	268	9.16	11.13	10.00
5941	C. O. & B. Feed, The Quaker Oats Co., Chicago, Ill.	Oil City, Magee Feed Co.,--	657	8.03	10.88	10.00
5368	C. O. & B. Feed, The Quaker Oats Co., Chicago, Ill.	Uniontown, W. S. Smith, --	166	8.65	10.31	10.00
		Average, -----		8.47	10.97	-----

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
4.50	3.50	8.90	9.00	\$1 50	Corn, hominy feed, oats, oat middlings, oat hulls and oat shorts. Maximum salt $\frac{3}{4}$ of 1 per cent.	As certified, -----	5790
4.78	3.50	9.42	9.00	32 00	Corn, hominy feed, oats, oat middlings, oat hulls and oat shorts. Maximum salt $\frac{3}{4}$ of 1 per cent.	As certified, -----	6119
4.64	-----	9.16	-----	31 00			
4.80	4.00	7.22	8.00	1 45	Wheat bran, wheat middlings and ground wheat.	As certified, -----	5451
5.25	4.00	7.90	8.00	1 45	Wheat bran, wheat middlings and ground wheat.	As certified, -----	5374
5.00	4.00	8.15	8.00	1 50	Wheat bran, wheat middlings and ground wheat.	As certified, -----	5944
5.75	4.00	8.05	8.00	28 00	Wheat bran, wheat middlings and ground wheat.	As certified, -----	5755
5.35	4.00	7.90	8.00	30 00	Wheat bran, wheat middlings and ground wheat.	As certified, -----	5845
5.23	-----	7.84	-----	29 20			
4.40	3.25	9.45	9.00	1 50	Corn, barley, wheat flour, oat meal mill by-product (oat shorts, oat hulls and oat middlings), 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5784
4.00	3.25	9.50	9.00	1 20	Corn, barley, wheat flour, oat meal mill by-product (oat shorts, oat hulls and oat middlings), 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5470
4.45	3.25	10.17	9.00	30 00	Corn, barley, wheat flour, oat meal mill by-product (oat shorts, oat hulls and oat middlings), 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5941
3.93	3.25	9.67	9.00	1 50	Corn, barley, wheat flour, oat meal mill by-product (oat shorts, oat hulls and oat middlings), 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5368
4.20	-----	9.69	-----	28 50			

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
5904	Quaker Dairy Molasses Feed, The Quaker Oats Co., Chicago, Ill.	Berwick, T. M. Bomboy, --	66	Per ct. 9.52	Per ct. 13.31	Per ct. 16.00
5831	Quaker Dairy Molasses Feed, The Quaker Oats Co., Chicago, Ill.	Greensburg, W. N. Davis, --	129	10.18	15.71	16.00
5359	Quaker Dairy Molasses Feed, The Quaker Oats Co., Chicago, Ill.	Uniontown, King Bros., ---	157	8.74	14.69	16.00
6155	Quaker Dairy Molasses Feed, The Quaker Oats Co., Chicago, Ill.	Lewistown, Lewistown Ice and Storage Co.	857	7.94	13.81	16.00
6013	Quaker Dairy Molasses Feed, The Quaker Oats Co., Chicago, Ill.	Linesville, Linesville Coal, Lime and Cement Co.	715	11.47	13.52	16.00
5846	Quaker Dairy Molasses Feed, The Quaker Oats Co., Chicago, Ill.	Washington, C. B. Ruch, --	583	7.02	14.79	16.00
5477	Quaker Dairy Molasses Feed, The Quaker Oats Co., Chicago, Ill.	Tarentum, J. A. Sharp, --	275	9.81	5.99	16.00
5695	Quaker Dairy Molasses Feed, The Quaker Oats Co., Chicago, Ill.	Blairsville, Smith & McKelvey.	493	8.54	14.44	16.00

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.23	Per ct. 3.50	Per ct. 12.83	Per ct. 9.00	\$26 00	Cottonseed meal, grain screenings, flax pods and stalks, oat meal mill by-product (oat shorts, oat hulls, oat middlings), corn and molasses.	As certified, -----	5904
5.63	3.50	11.84	9.00	25 00	Cottonseed meal, grain screenings, flax pods and stalks, oat meal mill by-product (oat shorts, oat hulls, oat middlings), corn and molasses.	Cottonseed meal, grain screenings, flax pods and stalks, oat meal mill by-product (oat shorts, oat hulls, oat middlings), c o r n , small amount of weed seeds and molasses.	5331
4.19	3.50	14.16	9.00	30 00	Cottonseed meal, grain screenings, flax pods and stalks, oat meal mill by-product (oat shorts, oat hulls, oat middlings), corn and molasses.	Cottonseed meal, grain screenings, flax pods and stalks, oat meal mill by-product (oat shorts, oat hulls, oat middlings), c o r n , small amount of weed seeds and molasses.	5359
4.33	3.50	14.86	9.00	1 25	Cottonseed meal, grain screenings, flax pods and stalks, oat meal mill by-product (oat shorts, oat hulls, oat middlings), corn and molasses.	Cottonseed meal, grain screenings, flax pods and stalks, oat meal mill by-product (oat shorts, oat hulls, oat middlings), c o r n , weed seeds and molasses.	6155
4.39	3.50	11.10	9.00	24 00	Cottonseed meal, grain screenings, flax pods and stalks, oat meal mill by-product (oat shorts, oat hulls, oat middlings), corn and molasses.	As certified, -----	6013
4.43	3.50	12.43	9.00	29 00	Cottonseed meal, grain screenings, flax pods and stalks, oat meal mill by-product (oat shorts, oat hulls, oat middlings), corn and molasses.	Cottonseed meal, grain screenings, flax pods and stalks, oat meal mill by-product (oat shorts, oat hulls, oat middlings), c o r n , small amount of weed seeds and molasses.	5846
5.02	3.50	13.21	9.00	1 40	Cottonseed meal, grain screenings, flax pods and stalks, oat meal mill by-product (oat shorts, oat hulls and oat middlings), corn and molasses.	As certified, -----	5477
4.94	3.50	13.70	9.00	23 00	Cottonseed meal, grain screenings, flax pods and stalks, oat meal mill by-product (oat shorts, oat hulls and oat middlings), corn and molasses.	Cottonseed meal, grain screenings, flax pods and stalks, oat meal mill by-product (oat shorts, oat hulls, oat middlings), c o r n , weed seeds and molasses.	5695

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
5758	Quaker Dairy Molasses Feed, The Quaker Oats Co., Chicago, Ill.	Meshoppen, C. B. Tyler, --	21	Per ct. 8.83	Per ct. 14.48	Per ct. 16.00
5250	Quaker Dairy Molasses Feed, The Quaker Oats Co., Chicago, Ill.	Johnstown, Valley Mills, --	50	9.44	14.95	16.00
		Average, -----		9.14	14.57	-----
5769	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Tyrone, The Bayer Gillam Co.	539	8.88	11.88	10.00
5998	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	East Pittsburg, James Beech & Son.	700	7.54	11.00	10.00
5761	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Great Bend, Albert Bolt,	24	8.42	12.31	10.00
5903	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Berwick, T. M. Bomboy,	65	8.03	12.31	10.00
5230	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Annville, Gatz & Newgard,	30	7.72	11.00	10.00
5465	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Kittanning, J. A. Gault Co.	263	9.06	11.13	10.00
5433	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Atglen, W. S. Hastings & Son.	231	8.11	10.88	10.00

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
4.79	3.50	12.92	9.00	\$25 00	Cottonseed meal, grain screenings, flax pods and stalks, oat meal mill by-product (oat shorts, oat hulls and oat middlings), corn and molasses.	Cottonseed meal, grain screenings, flax pods and stalks, oat meal mill by-product (oat shorts, oat hulls and oat middlings), corn, small amount of weed seeds and molasses.	5758
5.07	3.50	12.51	9.00	1 30	Cottonseed meal, grain screenings, flax pods and stalks, oat meal mill by-product (oat shorts, oat hulls and oat middlings), corn and molasses.	Cottonseed meal, grain screenings, flax pods and stalks, oat meal mill by-product (oat shorts, oat hulls and oat middlings), corn, small amount of weed seeds and molasses.	5250
4.70	-----	12.95	-----	26 40			
3.90	3.25	9.72	9.00	28 00	Corn, barley, wheat flour, oat meal mill by-product (oat shorts, oat hulls, oat middlings), 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5769
4.38	3.25	9.77	9.00	31 00	Corn, barley, wheat flour, oat meal mill by-product (oat shorts, oat hulls, oat middlings), 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5998
4.20	3.25	8.72	9.00	28 00	Corn, barley, wheat flour, oat meal mill by-product (oat shorts, oat hulls, oat middlings), 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5761
4.33	3.25	9.32	9.00	29 00	Corn, barley, wheat flour, oat meal mill by-product (oat shorts, oat hulls, oat middlings), 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5903
5.00	3.25	10.28	9.00	26 00	Corn, barley, wheat flour, oat meal mill by-product (oat shorts, oat hulls, oat middlings), 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5230
4.23	3.25	9.82	9.00	1 25	Corn, barley, wheat flour, oat meal mill by-product (oat shorts, oat hulls, oat middlings), 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5465
4.85	3.25	9.92	9.00	26 00	Corn, barley, wheat flour, oat meal mill by-product (oat shorts, oat hulls, oat middlings), 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5433

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
5852	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Washington, C. S. Hunter Co.	589	Per ct. 8.30	Per ct. 11.38	Per ct. 10.00
5966	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Spring Mount, Charles S. Kline.	95	8.15	10.50	10.00
6153	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Lewistown, Lewistown Ice and Storage Co.	855	8.89	11.63	10.00
5832	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Lykens, Lykens Mercantile Co.	61	8.57	11.13	10.00
5737	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	New Albany, F. S. Wy-nard.	14	8.65	11.50	10.00
5335	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Greensburg, Harry Orr & Co.	133	8.60	11.38	10.00
5307	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Lancaster, Fred Pontz, --	105	10.22	10.88	10.00
5754	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Laceyville, Resseguie & Westcott.	17	9.13	11.56	10.00
5972	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Pitcairn, D. F. Salyards,--	674	8.58	10.50	10.00
5926	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Allentown, George B. Shelly Estate.	73	8.65	11.44	10.00

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.28	Per ct. 3.25	Per ct. 9.32	Per ct. 9.00	\$32 00	Corn, barley, wheat flour, oat meal mill by-product (oat shorts, oat hulls, oat middlings), 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5852
4.53	3.25	9.82	9.00	31 00	Corn, barley, wheat flour, oat meal mill by-product (oat shorts, oat hulls, oat middlings), 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5966
4.08	3.25	9.14	9.00	1 60	Corn, barley, wheat flour, oat meal mill by-product (oat shorts, oat hulls, oat middlings), 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	6153
3.93	3.25	9.87	9.00	27 00	Corn, barley, wheat flour, oat meal mill by-product (oat shorts, oat hulls, oat middlings), 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5832
3.83	3.25	9.15	9.00	28 00	Corn, barley, wheat flour, oat meal mill by-product (oat shorts, oat hulls, oat middlings), 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5737
4.78	3.25	10.75	9.00	1 30	Corn, barley, wheat flour, oat meal mill by-product (oat shorts, oat hulls, oat middlings), 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5335
4.23	3.25	9.30	9.00	24 00	Corn, barley, wheat flour, oat meal mill by-product (oat shorts, oat hulls, oat middlings), 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5307
4.38	3.25	8.65	10.00	27 00	Corn, barley, wheat flour, oat meal mill by-product (oat shorts, oat hulls, oat middlings), cottonseed meal and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5754
4.13	3.25	9.57	9.00	1 60	Corn, barley, wheat flour, oat meal mill by-product (oat shorts, oat hulls, oat middlings), 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5972
4.40	3.25	9.95	9.00	32 00	Corn, barley, wheat flour, oat meal mill by-product (oat shorts, oat hulls, oat middlings), 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5926

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
6017	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Erie, George L. Siegel, ---	719	Per ct. 7.46	Per ct. 11.38	Per ct. 10.00
5589	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Munson Station, Jacob Smitzinger.	378	8.07	11.00	10.00
5706	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Indiana, St. Clair, Rinn & Co	504	9.15	10.75	10.00
5751	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Clarion, B. W. Thompson,	533	8.86	11.56	10.00
5252	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Johnstown, Valley Mills,--	52	9.30	10.81	10.00
5446	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Beaver, Adam D. Vogt, --	244	9.36	10.75	10.00
5764	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Honesdale, Wayne Milling Co.	27	8.39	10.88	10.00
5881	Schumacher Stock Feed, The Quaker Oats Co., Chicago, Ill.	Hopewell, M. V. Zeth, ----	618	8.54	11.63	10.00
		Average, -----		8.60	11.25	-----
5874	Sterling Feed, The Quaker Oats Co., Chicago, Ill.	Mapleton, H. O. Andrews,	611	8.50	11.88	10.00

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.55	Per ct. 3.25	Per ct. 9.15	Per ct. 9.00	\$30 00	Corn, barley, wheat flour, oat meal mill by-product (oat shorts, oat hulls, oat middlings), 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	6017
3.65	3.25	9.30	9.00	26 00	Corn, barley, wheat flour, oat meal mill by-product (oat shorts, oat hulls, oat middlings), 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5580
3.90	3.25	9.15	9.00	28 00	Corn, barley, wheat flour, oat meal mill by-product (oat shorts, oat hulls, oat middlings), 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5700
4.03	3.25	9.67	9.00	1 50	Corn, barley, wheat flour, oat meal mill by-product (oat shorts, oat hulls, oat middlings), 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5751
4.20	3.25	9.60	9.00	1 40	Corn, barley, wheat flour, oat meal mill by-product (oat shorts, oat hulls, oat middlings), 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5252
3.93	3.25	8.57	9.00	1 25	Corn, barley, wheat flour, oat meal mill by-product (oat shorts, oat hulls, oat middlings), 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5446
3.43	3.25	9.20	9.00	28 00	Corn, barley, wheat flour, oat meal mill by-product (oat shorts, oat hulls, oat middlings), 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5764
4.60	3.25	10.03	9.00	1 70	Corn, barley, wheat flour, oat meal mill by-product (oat shorts, oat hulls, oat middlings), 50 lbs. cottonseed meal per ton and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5881
4.23	-----	9.50	-----	28 52			
4.25	4.00	9.90	9.00	1 50	Corn, oats, barley, cottonseed meal, red dog flour, oat meal mill by-products (oat middlings, oat hulls and oat shorts). Maximum salt $\frac{3}{4}$ of 1 per cent.	As certified, -----	5874

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
6174	Sterling Feed, The Quaker Oats Co., Chicago, Ill.	Mifflin, Manbeck, Nelson & Co.	876	Per ct. 8.25	Per ct. 10.75	Per ct. 10.00
		Average, -----		8.42	11.32	-----
6000	Sterling Stock Feed, The Quaker Oats Co., Chicago, Ill.	Turtle Creek, F. J. Riddle,	702	7.61	10.63	10.00
6164	Sterling Stock Feed, The Quaker Oats Co., Chicago, Ill.	McVeytown, Jno. T. Rodgers.	866	8.43	10.50	10.00
		Average, -----		8.02	10.57	-----
5429	Victor Feed, The Quaker Oats Co., Chicago, Ill.	Coatesville, P. D. Handwork Co., Ltd.	227	10.13	8.75	8.00
5685	Victor Feed, The Quaker Oats Co., Chicago, Ill.	Monongahela, H. R. Hanna.	483	10.85	8.19	8.00
6183	Victor Feed, The Quaker Oats Co., Chicago, Ill.	Jeannette, Keystone Supply Co.	885	9.29	9.63	8.00
5357	Victor Feed, The Quaker Oats Co., Chicago, Ill.	Uniontown, King Bros., --	155	8.71	8.75	8.00
5270	Victor Feed, The Quaker Oats Co., Chicago, Ill.	Butler, The Leedom & Worrall Co.	68	9.43	9.13	8.00
6154	Victor Feed, The Quaker Oats Co., Chicago, Ill.	Lewistown, Lewistown Ice and Storage Co.	856	8.97	9.31	8.00
5990	Victor Feed, The Quaker Oats Co., Chicago, Ill.	Braddock, Marriott & Son.	692	8.20	9.75	8.00
5986	Victor Feed, The Quaker Oats Co., Chicago, Ill.	Derry, J. O. Nicely, -----	688	9.33	9.88	8.00
5907	Victor Feed, The Quaker Oats Co., Chicago, Ill.	Millville, M. W. Shoemaker & Son.	69	8.25	9.88	8.00

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.05	Per ct. 4.00	Per ct. 9.30	Per ct. 9.00	\$1 55	Corn, oats barley, cottonseed meal, red dog flour, oat meal mill by-products (oat middlings, oat hulls and oat shorts). Maximum salt $\frac{1}{2}$ of 1 per cent.	As certified, -----	6174
4.15	-----	9.60	-----	30 50	Corn, barley, wheat flour, cottonseed meal, oat meal mill by-product (oat middlings, oat hulls, oat shorts) and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	6000
4.10	3.25	9.50	9.00	30 00		As certified, -----	6164
4.05	3.25	10.67	9.00	1 45	Corn, barley, wheat flour, cottonseed meal, oat meal mill by-product (oat middlings, oat hulls, oat shorts) and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	6183
4.08	-----	10.08	-----	29 50	Corn, oat meal mill by-product (oat shorts, oat hulls, oat middlings) and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5357
4.48	3.50	8.85	9.00	23 00		As certified, -----	5907
3.75	3.50	8.55	9.00	1 25	Corn, oat meal mill by-product (oat shorts, oat hulls, oat middlings) and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5986
5.63	3.50	9.17	9.00	32 00	Corn, oat meal mill by-product (oat shorts, oat hulls, oat middlings) and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5900
5.30	3.50	9.77	9.00	24 00	Corn, oat meal mill by-product (oat shorts, oat hulls, oat middlings) and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5986
4.25	3.50	8.50	9.00	21 00	Corn, oat meal mill by-product (oat shorts, oat hulls, oat middlings) and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5907
4.65	3.50	8.90	9.00	1 55	Corn, oat meal mill by-product (oat shorts, oat hulls, oat middlings) and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5907
5.08	3.50	8.25	9.00	1 80	Corn, oat meal mill by-product (oat shorts, oat hulls, oat middlings) and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5907
4.83	3.50	9.82	9.00	1 60	Corn, oat meal mill by-product (oat shorts, oat hulls, oat middlings) and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5907
5.80	3.50	9.27	9.00	30 00	Corn, oat meal mill by-product (oat shorts, oat hulls, oat middlings) and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5907

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
5387	Victor Feed, The Quaker Oats Co., Chicago, Ill.	York, H. H. Smyser, -----	185	Per et. 10.39	Per et. 8.69	Per et. 8.00
		Average, -----		9.66	9.20	-----
5086	White Diamond Feed, The Quaker Oats Co., Chicago, Ill.	Monongahela, D. E. Gamble.	484	10.34	8.50	8.00
5851	White Diamond Feed, The Quaker Oats Co., Chicago, Ill.	Washington, C. S. Hunter Co.	588	8.89	9.44	8.00
5914	White Diamond Feed, The Quaker Oats Co., Chicago, Ill.	McKeesport, Keystone Commercial Co.	642	9.85	9.31	8.00
5436	White Diamond Feed, Fine C. & O., The Quaker Oats Co., Chicago, Ill.	Beaver Falls, M. W. MeCandless.	234	10.48	8.75	8.00
5458	White Diamond Feed, Fine C. & O., The Quaker Oats Co., Chicago, Ill.	Vandergrift, T. J. Rowley.	256	10.20	9.44	8.00
5453	White Diamond Feed, The Quaker Oats Co., Chicago, Ill.	Avonmore, T. P. Sturgeon.	251	11.61	8.88	8.00
		Average, -----		10.22	9.05	-----
6148	"Boveta Brand," Cottonseed Hull and Meal Mixture, Southern Cotton Oil Co., Charlotte, N. C.	Quarryville, S. Book & Bro.	850	8.71	19.25	17.00
5229	"Boveta Brand," Cottonseed Hull and Meal Mixture, Southern Cotton Oil Co., Charlotte, N. C.	Annville, Gantz & Newgard.	29	7.45	16.81	17.00
5310	"Boveta Brand," Cottonseed Hull and Meal Mixture, Southern Cotton Oil Co., Charlotte, N. C.	Manheim, F. K. Nauman,	108	7.87	16.63	17.00
		Average, -----		8.01	17.56	-----
5244	Cottonseed Feed Meal, Southern Fiber Co., Portsmouth, Va.	Lebanon, Henry Kreider,--	44	7.85	20.19	22.00
6136	"Jersey Cow," Feed, Southern Fiber Co., Portsmouth, Va.	Elizabethtown, E. H. Lehman,	838	7.98	8.44	10.00
6137	"Ko-Bos," Dairy Feed, Southern Fiber Co., Portsmouth, Va.	Elizabethtown, E. H. Lehman,	839	7.81	19.00	16.00
5278	Prime Cottonseed Feed, Southern Fiber Co., Portsmouth, Va.	Lancaster, Esbenshade & Co.	76	6.82	10.13	10.00
6138	"Royal Feed," Southern Fiber Co., Portsmouth, Va.	Elizabethtown, E. H. Lehman.	840	7.85	20.94	22.00

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.75	Per ct. 3.50	Per ct. 8.85	Per ct. 9.00	\$22 00	Corn, oat meal mill by-product (oat shorts, oat hulls, oat middlings) and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5387
4.85	-----	8.90	-----	27 60			
3.85	3.25	8.55	9.00	25 00	Corn, oat meal mill by-product (oat shorts, oat hulls, oat middlings) and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5686
4.13	3.25	8.20	9.00	30 00	Corn, oat meal mill by-product (oat shorts, oat hulls, oat middlings) and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5851
3.83	3.25	6.02	9.00	28 00	Corn, oat meal mill by-product (oat shorts, oat hulls, oat middlings) and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5914
4.15	3.25	6.65	9.00	21 00	-----	Corn, oat middlings, oat shorts, oat hulls and salt.	5436
5.00	3.25	8.32	9.00	22 00	-----	Corn, oat middlings, oat shorts, oat hulls and salt.	5458
4.78	3.25	5.57	9.00	21 00	Corn, oat meal mill by-product (oat middlings, oat hulls, oat shorts) and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5453
4.29	-----	7.21	-----	24 50			
3.63	3.00	29.27	40.00	25 00	Cottonseed hulls and meal.	As certified, -----	6148
3.40	3.00	28.32	40.00	25 00	Cottonseed hulls and meal.	As certified, -----	5229
4.05	3.00	26.47	40.00	25 50	Cottonseed hulls and meal.	As certified, -----	5310
3.69	-----	28.02	-----	25 17			
4.35	4.00	23.10	22.00	30 00	Cottonseed meal and cottonseed hulls.	As certified, -----	5244
2.05	1.80	34.60	35.00	21 00	Cottonseed meal and cottonseed hulls.	As certified, -----	6136
3.60	3.10	26.37	32.00	23 00	Cottonseed meal and cottonseed hulls.	As certified, -----	6137
2.40	1.80	28.35	35.00	22 00	Cottonseed meal and cottonseed hulls.	As certified, -----	5278
4.25	4.00	25.17	22.00	26 00	Cottonseed meal and cottonseed hulls.	As certified, -----	6138

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein	
					Found.	Guaranteed.
5418	Sugarine Dairy Feed, The Sugarine Co., Chicago, Ill.	West Chester, C. C. Hipple & Son.	216	Per ct. 10.91	Per ct. 16.48	Per ct. 16.50
6117	Sugarine Dairy Feed, The Sugarine Co., Chicago, Ill.	Chester, T. Frank McCall,	819	11.44	17.01	16.50
5906	Sugarine Dairy Feed, The Sugarine Co., Chicago, Ill.	Millvale, M. W. Shoemaker & Son.	68	11.36	18.27	16.50
6051	Sugarine Dairy Feed, The Sugarine Co., Chicago, Ill.	Doylestown, M. E. Yost,	753	10.99	17.24	16.50
		Average, -----		11.17	17.25	-----
5239	Star Feed, The Toledo Elevator Co., Toledo, Ohio.	Palmyra, A. S. Stauffer,	39	9.23	9.31	8-10
6187	Camp's Wamba Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Wilmerding, Routh & Co.,	889	11.89	10.66	10-12
5208	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	West Chester, I. H. Bailey,	8	11.43	17.81	17.00
5256	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Johnstown, G. Bostert & Son.	56	12.33	17.21	17.00
5218	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Glen Rock, T. J. Brodbeck.	18	11.62	17.62	17.00

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.78	Per ct. 3.50	Per ct. 13.46	Per ct. 12.00	\$25 00	Cottonseed meal, oats, barley, wheat, malt sprouts, molasses, mixed broken grains from wheat, oat, buckwheat and barley screenings and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5418
5.47	3.50	11.92	12.00	27 60	Cottonseed meal, gluten feed, molasses, oat clippings, mixed broken grains from wheat, oat and barley screenings and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	6117
5.25	2.50	12.43	12.00	28 00	Cottonseed meal, gluten feed, molasses, oat clippings, mixed broken grains from wheat, oat and barley screenings and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5906
4.45	3.50	10.87	12.00	26 00	Cottonseed meal, gluten feed, molasses, oat clippings, mixed broken grains from wheat, oat and barley screenings and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	6051
4.99	-----	12.17	-----	26 50			
6.55	6-7	8.22	9.00	26 00	Hominy feed, corn, ground corn cob and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5239
4.05	3.5-4.5	3.87	5-8	1 75	Corn and wheat bran, --	As certified, -----	6187
4.61	3.00	9.43	11.00	25 00	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, pure cane molasses and $\frac{3}{10}$ of 1 per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, weed seeds, pure cane molasses and $\frac{3}{10}$ of 1 per cent. salt.	5208
5.13	3.00	11.18	11.00	27 00	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, pure cane molasses and $\frac{3}{10}$ of 1 per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, small amount of weed seeds, pure cane molasses and $\frac{3}{10}$ of 1 per cent. salt.	5256
3.37	3.00	10.62	11.00	25 60	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, pure cane molasses and $\frac{3}{10}$ of 1 per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, small amount of weed seeds, pure cane molasses and $\frac{3}{10}$ of 1 per cent. salt.	5218

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.			
				Moisture.	Found.	Guaranteed.	
5907	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Spring Mount, Clemmer & Son.	96	Per ct. 11.22	Per ct. 17.49	Per ct. 17.00	
5203	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Topton, J. C. Cook, -----	3	11.05	18.26	17.00	
5439	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Beaver Falls, Dodds & Garrett.	237	13.33	16.79	17.00	
5615	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Williamsport, M. E. Donnel.	413	10.76	16.11	17.00	
5219	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Wrightsville, C. C. Doseh,	19	13.12	17.10	17.00	
5212	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Ephrata, Frank Fahnestock.	12	11.89	16.08	17.00	
5215	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Penbrook, S. A. Fishburn,	15	11.69	18.23	17.00	
6057	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Chalfont, F. D. Hartzel's Sons.	759	12.43	16.96	17.00	

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Obtained by Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 5.45	Per ct. 3.00	Per ct. 11.81	Per ct. 9.00	\$25 00	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, pure cane molasses and 3/10 of 1 per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, small amount of weed seeds, pure cane molasses and 3/10 of 1 per cent. salt.	5967
4.32	3.00	10.45	9.00	30 00	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, pure cane molasses and 3/10 of 1 per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, small amount of weed seeds, pure cane molasses and 3/10 of 1 per cent. salt.	5203
4.00	3.00	9.92	11.00	24 00	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, pure cane molasses and 3/10 of 1 per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, small amount of weed seeds, pure cane molasses and 3/10 of 1 per cent. salt.	5439
3.78	3.00	10.44	11.00	1 35	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, pure cane molasses and 3/10 of 1 per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, large amount of weed seeds, pure cane molasses and 3/10 of 1 per cent. salt.	5615
3.85	3.00	9.16	9.00	1 40	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, pure cane molasses and 3/10 of 1 per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, large amount of weed seeds, pure cane molasses and 3/10 of 1 per cent. salt.	5219
3.38	2.00	10.65	11.00	27 00	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, pure cane molasses and 3/10 of 1 per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, small amount of weed seeds, pure cane molasses and 3/10 of 1 per cent. salt.	5212
4.47	3.00	10.36	11.00	26 00	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, pure cane molasses and 3/10 of 1 per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, weed seeds, pure cane molasses and 3/10 of 1 per cent. salt.	5215
4.46	3.00	10.11	11.00	24 50	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, pure cane molasses and 3/10 of 1 per cent. salt.	As certified, -----	6057

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
5205	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Conshohocken, Henderson, Supplee & Son.	5	Per ct. 11.50	Per ct. 16.91	Per ct. 17.00
5214	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Harrisburg, Hoffer & Garman.	14	11.22	16.08	17.00
5217	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Carlisle, S. B. Jackson, --	17	11.38	16.40	17.00
5204	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Barto, S. B. Latshaw, --	4	11.77	17.11	17.00
5213	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Elizabethtown, E. H. Lehman.	18	11.85	16.19	17.00
6014	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Linesville, Linesville Coal, Lime and Cement Co.	716	13.14	18.11	17.00
5248	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Pahmyra, The Londonderry Mills.	48	11.65	16.63	17.00
5739	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Monroeton, C. P. Matthews.	16	12.00	18.60	17.00

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 5.09	Per ct. 3.00	Per ct. 11.57	Per ct. 11.00	\$27 00	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, pure cane molasses and 3/10 of 1 per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, weed seeds, pure cane molasses and 3/10 of 1 per cent. salt.	5205
4.67	3.00	11.23	11.00	27 00	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, pure cane molasses and 3/10 of 1 per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, weed seeds, pure cane molasses and 3/10 of 1 per cent. salt.	5214
4.03	3.00	11.71	11.00	26 00	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, pure cane molasses and 3/10 of 1 per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, weed seeds, pure cane molasses and 3/10 of 1 per cent. salt.	5217
7.08	3.00	9.04	9.00	25 00	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, pure cane molasses and 3/10 of 1 per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, flax seed, considerable proportion of weed seeds, pure cane molasses and 3/10 of 1 per cent. salt.	5204
4.14	3.00	10.77	11.00	25 00	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, pure cane molasses and 3/10 of 1 per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, weed seeds, pure cane molasses and 3/10 of 1 per cent. salt.	5213
6.16	3.00	11.28	11.00	24 00	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, separated from wheat, rye, oats and barley, wheat screenings, molasses and 3/10 of 1 per cent. salt.	As certified, -----	604
4.72	3.00	9.39	9.00	24 00	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, pure cane molasses and 3/10 of 1 per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, small amount of weed seeds, pure cane molasses and 3/10 of 1 per cent. salt.	5248
7.17	3.00	10.24	9.00	26 00	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, pure cane molasses and 3/10 of 1 per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, considerable proportion of weed seeds, pure cane molasses and 3/10 of 1 per cent. salt.	5739

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
5207	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Souderton, Moyer & Son,	7	Per ct. 10.77	Per ct. 16.28	Per ct. 17.00
5221	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Idaville, D. B. Myers, ---	21	12.87	16.49	17.00
5211	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Downingtown, E. Vinton Phillips.	11	11.81	17.88	17.00
5210	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Pocopson, W. J. Pratt, --	10	12.76	16.77	17.00
5961	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Red Hill, O. D. Reiter, --	90	13.44	16.00	17.00
5756	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Laceyville, Resseguie & Westcott.	19	12.61	15.65	17.00
5209	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Embreeville, Robert G. Smith & Son.	9	12.22	17.61	17.00
5206	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Hatfield, George S. Snyder,	6	11.56	17.07	17.00

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.45	Per ct. 3.00	Per ct. 11.38	Per ct. 9.60	\$25 00	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, pure cane molasses and 3/10 of 1 per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, weed seeds, pure cane molasses and 3/10 of 1 per cent. salt.	5207
4.49	3.00	10.98	11.00	25 00	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, pure cane molasses and 3/10 of 1 per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, weed seeds, pure cane molasses and 3/10 of 1 per cent. salt.	5221
5.50	3.00	11.10	11.00	26 50	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, pure cane molasses and 3/10 of 1 per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, weed seeds, pure cane molasses and 3/10 of 1 per cent. salt.	5211
5.20	3.00	10.44	11.00	26 00	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, pure cane molasses and 3/10 of 1 per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, weed seeds, pure cane molasses and 3/10 of 1 per cent. salt.	5210
6.90	3.00	10.78	11.00	24 00	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, separated from wheat, rye, oats and barley, wheat screenings, molasses and 3/10 of 1 per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, separated from wheat, rye, oats, barley screenings, small amount of weed seeds, molasses and 3/10 of 1 per cent. salt.	5961
4.25	3.00	10.89	11.00	26 00	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, pure cane molasses and 3/10 of 1 per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, small amount of weed seeds, pure cane molasses and 3/10 of 1 per cent. salt.	5756
4.09	3.00	10.48	11.00	26 00	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, pure cane molasses and 3/10 of 1 per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, weed seeds, pure cane molasses and 3/10 of 1 per cent. salt.	5209
4.94	3.00	11.01	11.00	26 00	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, pure cane molasses and 3/10 of 1 per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, small amount of weed seeds, pure cane molasses and 3/10 of 1 per cent. salt.	5206

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
5216	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Dillsburg, J. B. Spera, --	16	Per ct. 11.13	Per ct. 17.68	Per ct. 17.00
5202	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Lebanon, E. Strickler's Sons.	2	11.93	17.84	17.00
5220	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Hanover, Wm. J. Young & Co.	20	12.44	18.23	17.00
5201	Hammond Dairy Feed, The Western Grain Products Co., Hammond, Ind.	Hummelstown, Daniel Yingst.	1	12.99	15.45	17.00
		Average, -----		11.99	17.05	-----
5626	Molasses Corn Flakes, The Western Grain Products Co., Hammond, Ind.	Muncy, Eaker & Vermilya,	424	9.35	23.43	24-26
5390	Molasses Flakes, The Western Grain Products Co., Hammond, Ind.	York, Strayer Bros. Co.,--	188	9.88	23.01	24-26
		Average, -----		9.61	23.22	-----
PROPRIETARY HORSE AND MULE FEEDS.						
5600	Horse Chop, Altoona Feed Mills, Altoona, Pa.	Altoona, Altoona Feed Mills.	398	10.51	12.50	9.00
5909	Sucrene Alfalfa Horse and Mule Feed, American Milling Co., Chicago, Ill.	Irwin, T. F. Wilson Co.,	637	13.07	12.34	10.00
5422	Sucrene Horse and Mule Feed, American Milling Co., Chicago, Ill.	West Chester, E. D. Hemp-hill.	220	11.33	12.20	10.00

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.85	Per ct. 3.00	Per ct. 11.35	Per ct. 11.00	\$26 00	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, pure cane molasses and 3/10 of 1 per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, weed seeds, pure cane molasses and 3/10 of per cent. salt.	5216
4.71	3.00	10.39	11.00	26 00	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, pure cane molasses and 3/10 of 1 per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, weed seeds, pure cane molasses and 3/10 of per cent. salt.	5202
4.34	3.00	10.46	11.00	25 00	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, pure cane molasses and 3/10 of 1 per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, weed seeds, pure cane molasses and 3/10 of per cent. salt.	5220
4.82	3.00	10.98	11.00	27 00	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, pure cane molasses and 3/10 of 1 per cent. salt.	Cottonseed meal, distillers' grains, malt sprouts, mixed broken grains, corn, wheat, oats, barley, large proportion of weed seeds, pure cane molasses and 3/10 of 1 per cent. salt.	5201
4.79	-----	10.63	-----	25 86			
10.02	7-9	10.95	10.00	1 50	Broken grains of corn, oats, wheat, barley, cottonseed meal, corn grains and cane molasses.	Corn, oats, wheat, barley, cottonseed meal, malt sprouts, distillers' grains, small amount of weed seeds and molasses.	5626
8.45	7-9	10.73	10.00	32 50	Broken grains of corn, oats, wheat, barley, cottonseed meal, corn grains and cane molasses.	As certified, -----	5390
9.24	-----	10.84	-----	31 25			
6.38	3.00	5.65	9.00	30 00	Oat middlings, oat hulls, hominy, rye middlings, corn and barley.	As certified, -----	5600
4.02	3.50	15.04	15.00	32 00	Corn, oats, barley, wheat, buckwheat, alfalfa, linseed meal, molasses and 1/2 of 1 per cent. salt.	As certified, -----	5909
3.67	3.50	9.82	12.00	27 00	Corn, oats, barley, wheat, molasses and mixed broken grains from wheat, oats, buckwheat and barley screenings and 1/2 of 1 per cent. salt.	As certified, -----	5422

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
5665	Suerene Horse and Mule Feed, American Milling Co., Chicago, Ill.	Sunbury, Kift Milling Co.,	463	Per ct. 12.35	Per ct. 11.32	Per ct. 10.00
		Average, -----		11.84	11.76	-----
5438	Ubiko Horse and Stock Feed, The J. W. Biles Co., Cincinnati, Ohio.	Beaver Falls, M. W. Candless.	236	8.04	18.19	16.00
5705	Ubiko Horse and Stock Feed, The J. W. Biles Co., Cincinnati, Ohio.	Indiana, St. Clair, Rinn Co.	503	7.91	17.94	16.00
		Average, -----		7.97	18.07	-----
5597	Horse Chop, E. D. Clark, Altoona, Pa.	Altoona, E. D. Clark, ---	395	10.23	10.88	8-10
5919	Pioneer Horse and Cattle Feed, Edwards & Loomis, Co., Chicago, Ill.	Carnegie, J. H. Burgan & Son.	647	10.09	8.13	7.50
5963	Pioneer Horse and Cattle Feed, Edwards & Loomis, Co., Chicago, Ill.	East Mauch Chunk, Quinton Stemler.	92	9.24	9.44	7.50
		Average, -----		9.66	8.79	-----
5447	Faramel Horse and Cattle Feed, The Lake Shore Elevator Co., Cleveland, Ohio.	West Bridgewater, W. W. McCullough.	245	16.24	10.01	10.24
5514	Faramel Horse Feed, Faramel Manufacturing Co., Buffalo, N. Y.	Bradford, Smith Bros., ---	312	16.64	9.42	9.93
5393	Columbia Alfalfa Horse Feed, The Hoge & McDowell Co., Washington, D. C.	York, Anderson Bros. Co.,	191	9.57	14.00	12.00
6067	Husted Horse Feed, Husted Milling Co., Buffalo, N. Y.	Colmar, C. R. Rosenberger,	769	8.81	13.94	12-14
5604	Horse Chop, Klepser Bros., Martinsburg, Pa.	Altoona, Klepser Bros., ---	402	10.12	13.75	7.00
5965	Badger Alfalfa Horse and Mule Feed, Charles A. Krause Milling Co., Milwaukee, Wis.	Green Lane, Frank Barndt,	94	14.45	11.85	10.00
5873	Badger Alfalfa Horse and Mule Feed, Charles A. Krause Milling Co., Milwaukee, Wis.	Huntingdon, J. Stouffer,---	610	13.60	11.37	10.00
6125	Badger Alfalfa Horse and Mule Feed, Charles A. Krause Milling Co., Milwaukee, Wis.	Ambler, J. Watson Craft,	827	15.98	12.48	10.00
		Average, -----		14.67	11.90	-----

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 3.59	Per ct. 3.50	Per ct. 10.47	Per ct. 12.00	\$1 40	Corn, oats, barley, wheat, molasses and mixed broken grains from wheat, oat, buckwheat and barley screenings, linseed meal and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5665
3.63	-----	10.14	-----	27 50			
7.05	6.00	8.47	9.00	30 50	Wheat middlings, hominy meal, wheat bran, brewers' dried grains and old process linseed meal.	As certified, -----	5428
7.08	6.00	7.75	9.00	30 00	Wheat middlings, hominy meal, wheat bran, brewers' dried grains and old process linseed meal.	As certified, -----	5705
7.07	-----	8.11	-----	30 25			
3.80	3.5-4.5	7.80	7-9	27 00	Shelled corn, ear corn, oats, oat middlings, oat shorts, oat hulls, flour middlings and rye middlings.	As certified, -----	5597
3.25	2.50	8.57	8.00	1 75	Corn grits, cracked corn siftings, light oats and oat hulls.	As certified, -----	5919
3.70	2.50	8.72	8.00	1 60	Corn grits, cracked corn siftings, light oats and oat hulls.	As certified, -----	5963
3.48	-----	8.64	-----	33 50			
4.03	4.50	5.41	6.85	1 50	Corn, bran, oats and molasses.	As certified, -----	5447
3.95	3.53	4.68	4.81	1 60	Oats, corn, wheat bran and molasses.	As certified, -----	5514
4.40	3.12	12.80	13.00	33 00	Alfalfa meal, linseed meal, corn, oats, bran and salt.	As certified, -----	5393
5.60	4-5	6.12	7-9	1 60	Corn, oats, middlings, gluten, oat hulls, oil meal and $\frac{3}{4}$ of 1 per cent. salt.	As certified, -----	6067
4.00	3.00	3.40	7-9	1 50	Rye middlings, corn and oats.	As certified, -----	5604
3.68	2.00	8.14	12.00	1 60	Corn, oats, alfalfa and syrup.	As certified, -----	5965
4.00	2.00	9.56	12.00	1 60	Corn, oats, alfalfa and syrup.	As certified, -----	5873
3.20	2.00	9.54	12.00	1 65	Corn, oats, alfalfa and syrup.	As certified, -----	6125
3.63	-----	9.08	-----	32 34			

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Crude Protein.		
				Moisture.	Found.	Guaranteed.
5672	McMahan's Prepared Horse Feed, C. H. McMahan, Milton, Pa.	Milton, C. H. McMahan,	470	Per ct. 8.27	Per ct. 21.31	Per ct. 18-20
5302	Sugarota Horse Feed, North-West Mills Co., Winona, Minn.	Lancaster, Sprecher & Gaus.	160	11.84	10.94	10.00
5223	Sugarota Horse Feed, North-West Mills Co., Winona, Minn.	Lebanon, A. M. Weltmer's Sons.	23	11.31	11.21	10.60
		Average, -----		11.57	11.08	-----
5042	Perfection Horse Feed, Omaha Alfalfa Milling Co., Omaha, Neb.	Oil City, New Model Milling Co.	658	14.24	10.79	10.50
5337	Perfection Horse Feed, Omaha Alfalfa Milling Co., Omaha, Neb.	Greensburg, Harry Orr & Co.	135	17.35	10.69	10.50
		Average, -----		15.79	10.74	-----
5857	Peters' Arab Horse Feed, M. C. Peters Mill Co., Omaha, Neb.	Canonsburg, Dunlap Bros.,	594	9.46	10.81	9.00
5899	Peters' Arab Horse Feed, M. C. Peters Mill Co., Omaha, Neb.	Oil City, Enterprise Milling Co.	636	13.83	11.09	9.00
5688	Peters' Arab Horse Feed, M. C. Peters Mill Co., Omaha, Neb.	Monongahela, D. F. Gamble.	486	14.66	10.78	9.00
5469	Peters' Arab Horse Feed, M. C. Peters Mill Co., Omaha, Neb.	Kittanning, William Gates' Estate.	267	14.98	10.07	9.00
5675	Peters' Arab Horse Feed, M. C. Peters Mill Co., Omaha, Neb.	Wilkinsburg, Johnston & Smith.	477	15.16	10.45	9.00
5381	Peters' Arab Horse Feed, M. C. Peters Mill Co., Omaha, Neb.	Charleroi, R. O. Mountser,	179	16.75	10.88	9.00
5099	Peters' Arab Horse Feed, M. C. Peters Mill Co., Omaha, Neb.	Turtle Creek, F. J. Riddle,	701	15.15	11.28	9.00
5979	Peters' Arab Horse Feed, M. C. Peters Mill Co., Omaha, Neb.	Pittsburg, Scobie & Parker Co.	681	13.27	10.89	9.00
		Average, -----		14.15	10.78	-----
5349	Pritts' Horse Feed, J. E. Pritts, Scottdale, Pa.	Scottdale, J. E. Pritts, ---	147	9.15	14.69	12-16
5376	Molac Horse Feed, The Quaker City Oats Co., Chicago, Ill.	Belle Vernon, O. N. Luce,--	174	12.27	10.71	10.00
5367	Molac Horse Feed, The Quaker City Oats Co., Chicago, Ill.	Uniontown, W. S. Smith,--	165	12.39	10.41	10.00
		Average, -----		12.33	15.56	-----

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 7.53	Per ct. 7-8	Per ct. 9.45	Per ct. 9-10	\$28 00	Brewers' dried grains, hominy meal, cottonseed meal and middlings.	As certified, -----	5672
3.60	3.00	16.11	14.00	1 40	Malt sprouts, corn, oats, flax bran, barley, oat clips, molasses and small per cent. of salt.	Malt sprouts, corn, oats, flax plant refuse and shives, barley, oat clips, molasses and salt.	5302
4.25	3.00	14.99	14.00	1 50	Malt sprouts, corn, oats, barley, oat clips, molasses and small per cent. of salt.	Malt sprouts, corn, oats, barley, oat clips, molasses, a large proportion of chaff and weed seeds and salt.	5223
3.93	-----	15.55	-----	29 00			
3.23	3.00	7.95	12.00	1 65	Corn, oats, alfalfa meal and molasses.	As certified, -----	5942
2.69	3.00	8.98	12.00	1 60	Corn, oats, alfalfa meal and molasses.	As certified, -----	5337
2.96	-----	8.46	-----	1 63			
2.99	2.00	8.98	15.00	34 00	Corn, oats, alfalfa and molasses.	As certified, -----	5857
3.27	2.00	9.82	15.00	1 50	Corn, oats, alfalfa and molasses.	As certified, -----	5899
4.13	2.00	8.57	15.00	28 00	Corn, oats and alfalfa flavored with molasses.	As certified, -----	5688
3.09	2.00	8.90	15.00	1 50	Corn, oats and alfalfa flavored with molasses.	As certified, -----	5469
3.03	2.00	8.10	15.00	1 60	Corn, oats, alfalfa and molasses.	As certified, -----	5679
3.63	2.00	8.36	15.00	28 00	Corn, oats and alfalfa flavored with molasses.	As certified, -----	5381
3.63	2.00	7.85	15.00	33 00	Corn, oats, alfalfa and molasses.	As certified, -----	5999
3.10	2.00	8.77	15.00	34 00	Corn, oats, alfalfa and molasses.	As certified, -----	5979
3.22	-----	8.66	-----	31 13			
5.00	4-5	11.02	14-17	1 40	Alfalfa meal, wheat bran, wheat middlings, corn and oats.	As certified, -----	5349
3.50	3.25	10.30	9.00	1 60	Alfalfa, corn, oats, oat meal mill by-product (oat shorts, oat hulls and oat middlings), barley, molasses and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5376
3.89	3.25	9.91	9.00	1 65	Alfalfa, corn, oats, oat meal mill by-product (oat shorts, oat hulls and oat middlings), barley, molasses and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5267
3.70	-----	10.12	-----	32 50			

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
6110	Schumaecher Special Horse Feed, The Quaker Oats Co., Chicago, Ill.	Chester, John Thompson,--	812	Per ct. 8.68	Per ct. 10.38	Per ct. 9.25
6006	Sherman's Exceello Horse Feed, Sherman Milling Co., Meadville, Pa.	Meadville, Sherman Milling Co.	708	10.12	12.63	12-13
5257	Chicago Alfalfa Horse and Mule Feed, The Western Grain Products Co., Hammond, Ind.	Johnstown, G. Bostert & Son.	57	14.06	11.67	10.00
5389	Chicago Alfalfa Horse and Mule Feed, The Western Grain Products Co., Hammond, Ind.	York, Strayer Bros., ----	187	16.04	10.75	10.00
		Average, -----		15.05	11.21	-----
5760	Hammond Horse Feed, The Western Grain Products Co., Hammond, Ind.	Great Bend, Albert Bolt,--	23	14.40	12.85	12.00
Calf Meals.						
5727	Blatchford's Calf Meal, J. W. Barwell, Waukegan, Ill.	Towanda, Dayton Milling Co.	4	10.63	24.38	25.00
6185	Blatchford's Calf Meal, J. W. Barwell, Waukegan, Ill.	Jeannette, Keystone Supply Co.	887	10.17	23.06	25.00
5272	Blatchford's Calf Meal, J. W. Barwell, Waukegan, Ill.	Butler, H. J. Klingler Co.,	70	8.40	25.44	25.00
		Average, -----		9.73	24.29	-----
5773	Gregson's Calf Meal, The Great Western Cereal Co., Chicago, Ill.	Tyrone, Albright Bros. Co.,	543	8.18	27.06	25.00
5831	Gregson's Calf Meal, The Great Western Cereal Co., Chicago, Ill.	Elizabethville, J. A. Romberger.	60	8.58	26.44	25.00
		Average, -----		8.38	26.75	-----
5301	Sugarota Calf Meal, North-West Mills Co., Winona, Minn.	Lancaster, Sprecher & Ganss.	99	10.23	26.56	25.00
5771	Schumaecher Calf Meal, The Quaker Oats Co., Chicago, Ill.	Tyrone, The Bayer-Gillam Co.	541	7.84	21.38	19.00
5952	Schumaecher Calf Meal, The Quaker Oats Co., Chicago, Ill.	Oil City, Oil City Milling Co.	668	8.10	18.69	19.00
5460	Shumacher Calf Meal, The Quaker Oats Co., Chicago, Ill.	Vandergrift, T. J. Rowley,	258	7.74	19.44	19.00
5735	Schumaecher Calf Meal, The Quaker Oats Co., Chicago, Ill.	Wysox, Smith & Waldo,--	12	13.06	18.81	19.00
		Average, -----		9.18	19.58	-----

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.00	Per ct. 3.25	Per ct. 6.90	Per ct. 8.00				
				\$1 75	Corn, oats, oat meal mill by-product (oat shorts, oat hulls, oat middlings) and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	6110
4.33	4-5	4.35	-----	33 00	Oats, corn, barley, wheat bran, wheat middlings, oil meal and salt.	As certified, -----	6006
2.85	3.00	9.64	15.00	1 60	Corn, oats, alfalfa, linseed meal and cane molasses.	As certified, -----	5257
3.28	3.00	8.18	15.00	27 00	Corn, oats, alfalfa, linseed meal and cane molasses.	As certified, -----	5389
3.07	-----	8.91	-----	29 50			
2.92	2.80	9.86	11.00	28 00	Corn, oats, barley, screenings of (corn, oats, barley and wheat), linseed meal and cane molasses.	Corn, oats, barley, screenings (corn, oats, barley and wheat), linseed meal, malt sprouts, small amount of weed seeds and molasses.	5760
5.48	5.00	5.98	5.00	3 50	Locust bean meal, wheat flour, flaxseed, cottonseed meal, beans and lentils.	As certified, -----	5727
4.48	5.00	5.97	5.00	4 40	Locust bean meal, wheat flour, flaxseed, cottonseed meal, beans and lentils.	As certified, -----	6185
5.35	5.00	6.62	5.00	3 50	Locust bean meal, wheat flour, cottonseed meal, beans, lentils and salt.	As certified, -----	5272
5.10	-----	6.19	-----	76 00			
6.33	5.00	5.20	5.00	3 00	Oat meal, barley, linseed and cottonseed. Maximum salt $\frac{3}{4}$ of 1 per cent.	As certified, -----	5773
6.50	5.00	5.50	5.00	3 00	Oat meal, barley, linseed and cottonseed. Maximum salt $\frac{3}{4}$ of 1 per cent.	As certified, -----	5831
6.42	-----	5.35	-----	3 00			
6.03	6.00	3.50	6.00	3 50	Pulverized wheat, pulverized malt, linseed meal and cottonseed meal.	As certified, -----	5301
9.20	8.00	2.62	3.00	60 00	Oat meal, wheat meal, ground flaxseed and casein.	As certified, -----	5771
8.25	8.00	2.70	3.00	4 00	Oat meal, wheat meal, ground flaxseed and dried milk.	As certified, -----	5952
8.75	8.00	3.00	3.00	3 50	Oat meal, wheat meal, ground flaxseed and dried milk.	As certified, -----	5469
8.17	8.00	2.75	3.00	3 50	Oat meal, wheat meal, ground flaxseed and dried milk.	As certified, -----	5735
8.59	-----	2.76	-----	70 00			

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
MISCELLANEOUS FEEDS.						
5590	Mixed Red Dog, Altoona Grain and Feed Co., Altoona, Pa.	Altoona, Altoona Grain and Feed Co.	388	Per ct. 10.86	Per ct. 11.13	-----
5557	Mixed Feed, Barnesboro Milling Co., Barnesboro, Pa.	Barnesboro, Barnesboro Milling Co.	355	12.23	9.63	4-8.5
5476	Flax Flakes, Excelsior Milling Co., Minneapolis, Minn.	Tarentum, J. A. Sharp, --	274	11.10	13.03	-----
5628	Corn, Oats and Rye Middlings, The Ring Milling Co., Muncy, Pa.	Muncy, The Ring Milling Co.	426	10.72	10.69	8-9
5585	Yellow Feed Meal, Unkuown,	Osceola Mills, F. Hirsh, --	383	12.69	9.19	-----
MISCELLANEOUS CHOP FEEDS.						
Corn Chops.						
5567	Corn Chop, G. D. Benn, Coalport, Pa.	Coalport, G. D. Benn, ---	365	12.59	9.00	-----
5658	Corn Chop, Blank & Gottshall, Sunbury, Pa.	Sunbury, Blank & Gottshall.	456	*3.80	10.06	-----
5490	Corn Chop, Cash Wholesale Co., Johnsonburg, Pa.	Johnsonburg, Cash Wholesale Co.	288	15.21	8.31	-----
5589	Pure Corn Feed, F. E. Farabaugh, Patton, Pa.	Patton, F. E. Farabaugh,	387	13.12	8.69	-----
5563	Corn Chop, E. D. Fry, Cresson, Pa.	Cresson, E. D. Fry, ----	361	12.84	8.75	-----
5475	Corn Chop, Johnston & Hamilton, Parnassus, Pa.	Parnassus, Johnston & Hamilton.	273	13.71	9.13	-----
5989	Corn Chop, J. O. Nicely, Derry, Pa.	Derry, J. O. Nicely, ----	691	11.78	9.81	-----
5569	Corn Chop, H. M. Pentz, Glen Hope, Pa.	Glen Hope, H. M. Pentz,	367	8.77	8.56	-----
		Average, -----		12.57	9.04	-----
Rye Chops.						
5657	Rye Chop, Blank & Gottshall, Sunbury, Pa.	Sunbury, Blank & Gottshall.	455	11.23	11.50	-----
5565	Rye Chop, E. D. Fry, Cresson, Pa.	Cresson, E. D. Fry, ----	363	12.20	11.19	-----
5570	Rye Chop, H. M. Pentz, Glen Hope, Pa.	Glen Hope, H. M. Pentz,	368	10.47	11.19	-----
		Average, -----		11.30	11.29	-----
Corn and Oat Chops.						
6038	Corn and Oats Chop, Aeme Milling Co., Corry, Pa.	Corry, Aeme Milling Co.,--	740	8.90	11.13	-----
5648	Corn and Oats Chop, J. H. Burch, Knoxville, Pa.	Knoxville, J. H. Burch, --	446	12.37	9.88	-----
5566	Corn and Oats Chop, G. D. Benn, Coalport, Pa.	Coalport, G. D. Benn, ---	364	11.03	9.88	-----
5937	Chop, Blaine, Mackay, Lee Co., North East, Pa.	Tionesta, L. J. Hopkins,	653	10.35	11.25	-----
5656	Corn and Oats Chop, Blank and Gottshall, Sunbury, Pa.	Sunbury, Blank & Gottshall.	454	7.81	10.13	-----
5596	Corn and Oats Chop, E. D. Clark, Altoona, Pa.	Altoona, E. D. Clark, ---	394	12.34	9.69	8-10

*Excluded from average.

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
6.45		1.77				Hominy feed and wheat flour middlings.	5590
4.08	2-2.5	2.50	2-5	\$26 00	Corn and oats screenings.	As certified, -----	5557
5.13		12.14		1 50		Flax screenings consisting largely of weed seeds.	5476
4.33	2-3	3.92	3-6	1 50	Corn, oats and rye middlings.	As certified, -----	5628
4.23		2.20		1 35		Corn product, -----	5585
4.10		1.82		1 25	Corn, -----	As certified, -----	5567
6.75		2.25		1 35	Corn, -----	As certified, -----	5659
3.38		1.62		1 40	Pure corn, -----	As certified, -----	5490
4.05		2.10		1 25	Corn, -----	As certified, -----	5589
3.75		1.60		1 35	Corn, -----	As certified, -----	5563
4.15		1.95		25 00	Pure corn, -----	As certified, -----	5475
4.33		1.85		1 75	Pure corn, -----	As certified, -----	5989
3.30		1.85		1 40	Corn, -----	As certified, -----	5569
4.23		1.88		1 53			
2.10		2.02		1 80	Rye, -----	As certified, -----	5657
2.00		1.90		1 55	Rye, -----	As certified, -----	5565
2.00		1.80		1 70	Rye, -----	As certified, -----	5570
2.03		1.90		1 68			
4.68		7.00		33 00	Corn and oats, -----	As certified, -----	6028
3.85		3.72		1 40	Corn and oats, -----	As certified, -----	5648
4.03		3.30		1 25	Corn and oats, -----	As certified, -----	5566
4.33		3.10		1 65		Corn and oats, -----	5937
4.78		5.55		1 35	Corn and oats, -----	As certified, -----	5656
5.00	3.5-4.5	4.47	7-9	27 00	Corn and oats, -----	As certified, -----	5596

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
5806	Superior Corn and Oats Chop, E. D. Clark, Altoona, Pa.	Altoona, E. D. Clark, ---	564	Per ct. 9.73	Per ct. 9.63	Per ct. 10.00
6019	Corn and Oats Chop, Wm. A. Coombs, Cold Water, Mich.	Erie, D. J. Carroll, -----	721	8.87	11.06	-----
5501	Corn and Oats Feed, Crouch Bros. Co., Erie, Pa.	Kane, Swanson Grocery Co.	299	12.72	9.44	8.75
5552	Corn and Oats Chop, J. W. Eberts, Clearfield, Pa.	Clearfield, J. W. Eberts,--	350	11.61	9.75	-----
5560	Corn and Oats Chop, W. A. Eckenrode, Carrolltown, Pa.	Carrolltown, W. A. Eckenrode.	358	12.50	9.13	-----
5293	Pure Ground Corn and Oats, John W. Eshelman, Lancaster, Pa.	Lancaster, John W. Eshelman.	91	12.30	10.25	-----
5522	Corn and Oats Chop, Eulalia Mills, Coudersport, Pa.	Coudersport, Eulalia Mills,	320	10.83	10.38	-----
5876	Corn and Oats Chop, J. B. Ewing, Orbisonia, Pa.	Orbisonia, J. B. Ewing,--	613	9.86	10.38	-----
5588	Pure Corn and Oats Feed, F. E. Farabaugh, Patton, Pa.	Patton, F. E. Farabaugh,	386	12.28	10.50	-----
5509	Corn and Oats Chop, L. A. Fischer & Co., Bradford, Pa.	Bradford, L. A. Fischer & Co.	307	10.82	10.44	-----
5562	Corn and Oats Chop, E. D. Fry, Cresson, Pa.	Cresson, E. D. Fry, -----	360	12.22	9.06	-----
5506	Corn and Oats Chop, C. Herzog, Smethport, Pa.	Smethport, C. Herzog, ---	304	12.13	10.06	-----
5890	Corn and Oats Chop, John Howard, Everett, Pa.	Everett, John Howard, --	627	8.90	8.44	6.66
5945	Pure Corn and Oats Chop, Johnson & Co., Franklin, Pa.	Franklin, Johnson & Co.,	661	9.88	11.44	-----
5474	Corn and Oats Chop, Johnston & Hamilton, Parnassus, Pa.	Parnassus, Johnston & Hamilton.	272	11.66	10.88	-----
5795	Mixed Chop, Kaufman, Schaeffer & Co., Fleetwood, Pa.	Fleetwood, Kaufman Schaeffer & Co.	31	9.61	10.94	-----
5918	Corn and Oats Chop, Keystone Commercial Co., Pittsburg, Pa.	Carnegie, J. H. Burgen & Son.	646	10.40	11.00	-----
5603	Cow Chop, Klepser Bros., Martinsburg, Pa.	Altoona, Klepser Bros., --	401	11.28	9.88	7.00
5949	Corn and Oats Chop, J. H. Lavery, Franklin, Pa.	Franklin, J. H. Lavery,--	665	10.06	10.69	-----
5284	Corn and Oats Chop, Levan & Sons, Lancaster, Pa.	Lancaster, Levan & Sons,	82	8.77	9.94	-----
6177	Corn and Oats Chop, Manbeck, Nelson Co., Mifflin, Pa.	Mifflin, Manbeck, Nelson & Co.	879	9.63	10.75	-----
5812	Corn and Oats Chop, E. C. Masemer, Carlisle, Pa.	Mt. Holly, J. N. Weigel,--	41	10.02	10.31	-----
5837	Corn and Oats Chop, Mathers Bros., Greenville, Pa.	Greenville, Mathers Bros.,	574	9.95	10.63	-----
5902	Mixed Chop, Millard & Seureman, Kingston, Pa.	Berwick, Berwick Store Co.	64	7.90	8.63	8-11
5988	Corn and Oats Chop, J. O. Nicely, Derry, Pa.	Derry, J. O. Nicely, -----	690	10.49	10.44	-----
5269	Esmeralda Corn and Oats Chop, The Ohio Cereal Co., Circleville, Ohio.	Butler, The Leedom & Worral Co.	67	11.92	9.56	10.00
5953	Corn and Oats Chop, Oil City Milling Co., Oil City, Pa.	Oil City, Oil City Milling Co.	669	9.42	11.56	-----

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.73	Per ct. 3.00	Per ct. 3.80	Per ct. 9.00	\$1 50	Oats and corn tailings from cracked corn.	As certified, -----	5806
5.88	-----	4.25	-----	32 00	Corn and oats, -----	As certified, -----	6019
4.30	4.05	3.77	3.42	1 15	Corn and oats feed, ----	As certified, -----	5501
4.35	-----	2.77	-----	1 25	Corn and oats, -----	As certified, -----	5552
4.08	-----	2.55	-----	1 50	Corn and oats, -----	As certified, -----	5569
3.78	-----	4.17	-----	1 30	Corn and oats, -----	As certified, -----	5293
4.25	-----	4.52	-----	1 35	Corn and oats, -----	As certified, -----	5522
4.18	-----	3.32	-----	1 60	Corn and oats, possibly a trace of rye.	Corn and oats, -----	5876
4.40	-----	3.75	-----	27 00	Corn and oats, -----	As certified, -----	5558
4.60	-----	6.27	-----	1 30	Corn and oats, -----	As certified, -----	5509
4.10	-----	2.95	-----	1 40	Corn and oats, possibly a trace of rye.	As certified, -----	5562
4.45	-----	3.70	-----	1 25	Corn and oats, -----	As certified, -----	5506
3.75	2.50	6.45	11.00	28 00	Corn and oat feed, ----	As certified, -----	5890
4.93	-----	3.95	-----	1 70	Corn and oats, -----	As certified, -----	5945
4.80	-----	4.97	-----	27 00	Pure corn and oats, ----	As certified, -----	5474
4.73	-----	3.32	-----	1 65	Corn and oats, -----	Corn, oats and small amount of rye.	5795
4.45	-----	3.90	-----	1 85	Corn and oats, -----	As certified, -----	5918
4.33	3.00	3.45	7-9	1 45	Corn and oats, -----	As certified, -----	5603
4.55	-----	3.95	-----	1 65	Corn and oats, -----	As certified, -----	5949
4.60	-----	4.15	-----	30 00	Corn and oats, -----	As certified, -----	5284
4.10	-----	4.00	-----	1 60	Corn and oats, -----	As certified, -----	6177
4.55	-----	3.25	-----	1 60	Corn and oats chop, ----	As certified, -----	5812
4.20	-----	3.47	-----	1 45	Corn and oats, -----	As certified, -----	5837
3.35	4-6	9.52	4-6	1 70	-----	Corn and oats, -----	5902
4.28	-----	3.95	-----	1 75	Pure corn and oats, ----	As certified, -----	5983
5.23	4.00	2.92	6.00	23 50	Corn and oats, -----	As certified, -----	5269
4.53	-----	4.32	-----	1 70	Corn and oats, -----	As certified, -----	5953

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
5568	Corn and Oats Chop, H. M. Pentz, Glen Hope, Pa.	Glen Hope, H. M. Pentz,--	366	Per ct. 11.63	Per ct. 9.19	-----
5527	Corn and Oats Chop, E. J. Rogers, Emporium, Pa.	Emporium, E. J. Rogers,	325	10.70	10.00	-----
5713	Pure Corn and Oats Chop, The Richards & Evans Co., Cortland, Ohio.	New Castle, New Castle Feed Co.	511	10.55	10.63	-----
5638	Corn and Oats Chop, B. Schrader & Son, Wellsboro, Pa.	Wellsboro, B. Schrader & Son.	436	11.62	10.19	-----
5556	Corn and Oats Chop, John W. Smith & Bro., Clearfield, Pa.	Clearfield, John W. Smith & Bro.	354	10.91	9.56	-----
5804	Corn and Oats Chop, Wertz Milling Co., Reading, Pa.	Mohnton, A. G. Fox, ---	40	9.43	10.06	-----
	Chop Feeds.	Average, -----		10.60	10.17	-----
5594	Special Chop Feed, Altoona Grain and Feed Co., Altoona, Pa.	Altoona, Altoona Grain and Feed Co.	392	11.05	11.00	9.00
5928	Choisee Mixed Chop, Anchor Roller Mills, Allentown, Pa.	Allentown, John E. Schuon,	75	10.04	12.94	8-10
5661	Royal Chop Feed, The Beck Cereal Co., Detroit, Mich.	Mt. Carmel, Schneider Bros. & Co.	459	10.35	8.88	10.00
5810	Crescent Corn and Oats Chop, T. M. Biddle, Altoona, Pa.	Juniata, R. I. Remaley, --	568	10.50	9.75	7.50
5620	Chop, W. N. Brosha, Jersey Shore, Pa.	Jersey Shore, W. N. Brosha.	418	10.95	11.25	-----
5414	Chop Feed, Buffalo Cereal Co., Buffalo, N. Y.	Kennett Square, W. H. Walker & Co.	212	8.80	8.44	7-8
5541	Corn, Oats and Barley Feed, Chesbro Milling Co., Salamanca, N. Y.	Du Bois, A. T. Sprankle,	339	9.79	9.13	8-10
5624	Mixed Chop, The City Mills, Muncy, Pa.	Muncy, Eaker & Vermilya,	422	10.16	10.75	7.19
5595	Ear Corn, Rye, Oats, Wheat Middlings, Forge Milling Co., Roaring Springs, Pa.	Altoona, The Big Diamond Flour and Feed Co.	393	8.67	10.63	-----
5564	Rye and Oats Chop, E. D. Fry, Cresson, Pa.	Cresson, E. D. Fry, -----	362	10.69	11.63	-----
5582	Pennsylvania Special Chop Feed, Globe Elevator Co., Buffalo, N. Y.	Morrisdale, Morrisdale Feed and Grain Co.	380	8.53	10.94	8-10
5962	Boss Chop Feed, The Great Western Cereal Co., Chicago, Ill.	Red Hill, O. D. Reiter, ---	91	8.33	9.31	8.00
5935	Mixed Chop, Jacob S. Haines, Allentown, Pa.	Macungie, Wm. M. Gehman.	82	10.27	12.25	7-12
5364	Chop, Hogsett & Hankins, Uniontown, Pa.	Uniontown, Hogsett & Hankins.	162	10.08	9.31	8.00

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or ewt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
3.73	-----	3.30	-----	\$1 40	Corn and oats, -----	As certified, -----	5568
4.78	-----	3.00	-----	1 35	Corn and oats, -----	As certified, -----	5527
4.00	-----	4.47	-----	1 45	Corn and oats, -----	As certified, -----	5713
4.20	-----	3.95	-----	1 35	Corn and oats, -----	As certified, -----	5638
4.28	-----	2.30	-----	1 25	Corn and oats chop, ----	As certified, -----	5556
5.00	-----	3.05	-----	1 60	-----	Corn and oats, -----	5804
4.41	-----	4.06	-----	29 29			
6.30	4.00	4.65	9.00	30 00	Oats, oat clippings, oat hulls, barley screenings, corn and ear corn, middlings, hominy feed, low grade flour and about 3 lbs. of salt to the ton.	As certified, -----	5594
5.65	4-6	3.92	3-4	1 70	Corn, rye feed and hominy.	As certified, -----	5928
5.59	7.00	6.32	9.00	1 30	Corn, oat middlings, shorts and oat hulls.	As certified, -----	5661
4.53	3.00	3.05	9.00	1 60	Corn, oats and hominy feed.	As certified, -----	5810
3.80	-----	3.87	-----	1 50	Corn, oats and wheat screenings, or broken grains of wheat.	As certified, -----	5620
4.45	3-4	10.19	6.00	1 30	Corn, hominy feed, oat bran and oat hulls.	As certified, -----	5414
4.25	4-6	6.30	7-9	1 25	Corn, hominy, barley, oat shorts, oat hulls, oat middlings and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5541
3.60	3.30	6.07	9.00	25 00	Rye middlings, corn chop, barley feed and malt sprouts.	As certified, -----	5624
3.60	-----	6.45	-----	1 50	Ear corn, rye, oats and wheat middlings.	As certified, -----	5595
3.00	-----	3.90	-----	1 50	Rye and oats, -----	As certified, -----	5564
4.08	4-5	8.80	9.00	26 00	Hominy feed, flour middlings, ground corn and cob, oats and oat hulls and about 5 lbs. salt to the ton.	As certified, -----	5582
4.00	3.50	8.70	9.00	25 00	Corn, hominy feed, oats, oat middlings, oat hulls and oat shorts. Maximum salt $\frac{3}{4}$ of 1 per cent.	As certified, -----	5962
3.83	2-6	4.87	3-7	1 65	Corn, ear corn, rye middlings, hominy feed, wheat and oat chops.	As certified, -----	5935
4.03	3.00	7.32	5.00	24 00	Corn, oats and oat hulls,	As certified, -----	5364

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
5609	Monarch Chop Feed, Husted Milling Co., Buffalo, N. Y.	Williamsport, F. W. Dawson.	407	Per et. 9.01	Per et. 9.88	Per et. 7.5-9
5317	Monarch Chop Feed, Husted Milling Co., Buffalo, N. Y.	Lititz, Elmer Eby, -----	115	11.62	9.31	7.5-9
		Average, -----		10.31	9.60	-----
5601	Corn, Oats and Barley Chop, The Imperial Grain and Milling Co., Toledo, Ohio.	Altoona, Central Feed Co.,	399	9.59	8.94	8.90
5856	Corn, Oats and Barley Chop, The Imperial Grain and Milling Co., Toledo, Ohio.	Washington, Henry O. Meyers.	593	7.27	8.88	8.90
5698	Corn, Oats and Barley Chop, The Imperial Grain and Milling Co., Toledo, Ohio.	Blairsville, George J. New,	496	7.24	9.19	8.90
5462	Corn, Oats and Barley Chop, The Imperial Grain and Milling Co., Toledo, Ohio.	Leechburg, Stull-Hill-Coulter Co.	260	9.84	9.19	8.90
		Average, -----		8.49	9.05	-----
5358	Premium Chop, The Imperial Grain and Milling Co., Toledo, Ohio.	Uniontown, King Bros., --	156	11.15	9.63	8.00
5854	Premium Chop, The Imperial Grain and Milling Co., Toledo, Ohio.	Washington, Henry O. Myers.	591	7.15	9.13	8.00
5459	Premium Chop, The Imperial Grain and Milling Co., Toledo, Ohio.	Vandergrift, T. J. Rowley.	257	10.50	9.19	8.00
5461	Premium Chop, The Imperial Grain and Milling Co., Toledo, Ohio.	Leechburg, Stull-Hill-Coulter Co.	259	9.49	9.50	8.00
		Average, -----		9.57	9.36	-----
5955	Mixed Chop, M. M. Laudenslager, Emaus, Pa.	Emaus, Laudenslager & Geist.	84	10.41	11.25	7-12
5931	Mixed Chop, D. & A. Tuck-enbach, Bethlehem, Pa.	Bethlehem, D. & A. Tuck-enbach.	78	9.34	11.63	-----

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.53	Per ct. 3.5-4.5	Per ct. 7.70	Per ct. 7-9	\$1 25	Corn, oats, oat hulls and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5609
5.28	3.5-4.5	6.05	7-9	22 80	Corn, oats, oat hulls and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5317
4.91	-----	6.88	-----	23 90			
3.93	3.70	9.05	9.00	1 65	Shelled and ear corn, oats, barley, wheat flour, oat middlings, oat bran, oat hulls, cottonseed meal and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5601
3.90	3.70	9.60	9.00	1 60	Shelled and ear corn, oats, barley, wheat flour, oat middlings, oat bran, oat hulls, cottonseed meal and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5856
4.15	3.70	8.70	9.00	26 00	Shelled and ear corn, oats, barley, wheat flour, oat middlings, oat bran, oat hulls, cottonseed meal and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5698
4.23	3.70	8.25	9.00	24 00	Shelled and ear corn, oats, barley, wheat flour, oat middlings, oat bran, oat hulls, cottonseed meal and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5462
4.05	-----	8.90	-----	28 75			
4.28	3.50	6.85	9.00	24 00	Shelled and ear corn, cottonseed meal, white hominy meal, oat middlings, oat bran, oat hulls and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5358
3.90	3.50	7.37	9.00	1 50	Shelled and ear corn, cottonseed meal, white hominy meal, oat middlings, oat bran, oat hulls and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5854
3.63	3.50	7.77	9.00	1 25	Shelled and ear corn, cottonseed meal, white hominy meal, oat middlings, oat bran, oat hulls and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5459
3.95	3.50	8.05	9.00	22 50	Shelled and ear corn, cottonseed meal, white hominy meal, oat middlings, oat bran, oat hulls and $\frac{1}{2}$ of 1 per cent. salt.	As certified, -----	5461
3.94	-----	7.51	-----	25 38			
4.73	2-6	4.95	3-10	1 60	Corn, ear corn, rye middlings, hominy feed and oats.	As certified, -----	5955
4.88	-----	4.07	-----	28 00	White corn, wheat screenings and corn screenings.	Corn, oats and corn and wheat screenings.	5931

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
5808	Park City Chops, The Mollett Grain Co., Toledo, Ohio.	Altoona, The Big Diamond Flour and Feed Co.	566	Per ct. 9.62	Per ct. 9.69	Per ct. 8-9
5586	Park City Chops, The Mollett Grain Co., Toledo, Ohio.	Osceola Mills, F. Hirsh,--	384	10.63	9.00	-----
		Average, -----		10.12	9.35	-----
5956	Mixed Chop, Chas. A. Moyer, Emaus, Pa.	Emaus, Chas. A. Moyer,--	85	10.71	12.56	-----
5943	Chop, New Model Milling Co., Oil City, Pa.	Oil City, New Model Milling Co.	659	9.21	12.19	-----
5546	Corn, Oats and Rye Chop, C. H. Notter, Du Bois, Pa.	Du Bois, C. H. Notter, --	344	10.82	11.25	-----
5912	Special Chop, The Ohio Cereal Co., Circleville, Ohio.	McKeesport, E. P. Junker,	640	10.48	13.13	16.00
5519	Chop Feed, Olean Mills, Olean, N. Y.	Port Allegany, C. O. Neptune.	317	11.23	11.00	7-10
5347	Yellow Corn and Oat Hull Chop, O. P. Shoupe, Mt. Pleasant, Pa.	Mt. Pleasant, O. P. Shoupe.	145	12.54	9.19	6.00
5712	Fresh Ground Mixed Chop, D. D. Simison, Volant, Pa.	New Castle, Adolph Roth,	510	10.72	10.31	9.50
5340	Fresh Ground Chop, New Stanton Mills, New Stanton, Pa.	New Stanton, New Stanton Mills.	138	15.03	10.56	8.00
5883	Mixed Chop, Stapleton & McClain, Saxton, Pa.	Saxton, Stapleton & McClain.	620	10.01	11.38	8-16
5496	C. O. & B. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	St. Marys, Hall, Kaul & Hyde Co.	294	9.92	8.25	7-9
5365	C. O. & B. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Uniontown, Harry Hagan,	163	11.34	8.31	7-9
5455	C. O. & B. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Apollo, L. Todd Owens,--	253	10.35	8.81	7-9
5938	C. O. & B. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Tionesta, G. W. Robinson Son.	654	9.81	8.50	7-9
5549	C. O. & B. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Clearfield, Ross & Woods,	347	10.54	8.56	7-9
5766	C. O. & B. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Penfield, Johnson & Overturf.	536	9.69	8.50	7-9
		Average, -----		10.27	8.49	-----
5885	C. O. B. K. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Saxton, W. H. Mosser, --	622	10.25	8.50	7-9

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 5.23	Per ct. 3.5-4.5	Per ct. 5.20	Per ct. 8.5-9	\$1 50	Corn, oats and oat hulls,	As certified, -----	5808
4.65	-----	6.05	-----	1 35	-----	Corn, oat hulls and small amount of oats.	5586
4.94	-----	5.62	-----	1 43			
4.15	-----	3.67	-----	1 60	Corn, hominy, whole wheat and rye middlings.	As certified, -----	5956
4.40	-----	5.32	-----	1 60	Corn, oats and wheat, ---	As certified, -----	5943
3.15	-----	3.57	-----	1 25	Corn, oats and rye, ----	As certified, -----	5540
5.25	5.00	4.30	7.00	32 00	Low grade flour and white corn.	As certified, -----	5912
3.70	2-5	5.10	8.00	1 30	Corn, hominy, barley and oat feed.	Corn, hominy, barley, oat middlings and oat hulls.	5519
3.83	2.00	4.95	8.00	22 00	Yellow corn and oats hulls.	As certified, -----	5347
4.25	4.10	3.50	3.32	1 45	Corn, oats, wheat bran wheat middlings.	As certified, -----	5712
3.78	3.00	2.97	5.00	23 00	Corn, oats, bran and wheat screenings.	As certified, -----	5340
3.95	3-4	3.35	5-7	1 60	Corn, oats, wheat bran, rye and wheat screenings.	Corn, oats, wheat bran, rye and wheat screenings and small amount of corn cockle.	5883
3.90	3.5-4.5	5.65	6-8	1 40	White shelled corn, ear corn, barley, oats, oat middlings, oat shorts and oat hulls.	As certified, -----	5496
3.70	3.5-4.5	5.50	6-8	26 00	White shelled corn, ear corn, barley, oats, oat middlings, oat shorts and oat hulls.	As certified, -----	5305
3.75	3.5-4.5	6.70	6-8	26 00	White shelled corn, ear corn, barley, oats, oat middlings, oat shorts and oat hulls.	As certified, -----	5455
3.63	3.5-4.5	6.30	6-8	1 60	White shelled corn, ear corn, barley, oats, oat middlings, oat shorts and oat hulls.	As certified, -----	5938
3.95	3.5-4.5	5.77	6-8	1 40	White shelled corn, ear corn, barley, oats, oat middlings, oat shorts and oat hulls.	As certified, -----	5549
3.35	3.5-4.5	5.85	6-8	1 75	White shelled corn, ear corn, barley, oats, oat middlings, oat shorts and oat hulls.	As certified, -----	5766
3.71	-----	5.96	-----	29 17			
3.78	3.5-4.5	6.22	6-9	1 65	White shelled corn, ear corn, barley, wheat flour, oats, oat middlings, oat shorts and oat hulls.	As certified, -----	5885

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
5480	C. O. B. K. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Ridgway, Smith Bros. Co.,	278	Per ct. 10.15	Per ct. 8.69	Per ct. 7-9
		Average, -----		10.20	8.60	-----
5701	Keystone Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Clymer, Victor Trading Co.	499	10.48	9.31	7-9
5266	Keystone Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Zelenople, Fred Zehner, --	64	10.52	8.63	7-9
		Average, -----		10.50	8.97	-----
6189	Little Wonder Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Wilmerding, Routh & Co.,	891	10.71	8.69	7-8
5745	M. D. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Reynoldsville, Fales Grocery Co.	527	9.23	9.19	7-9
5710	M. D. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	New Castle, Fisher & Men- gle.	508	10.78	8.44	7-9
5366	M. D. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Uniontown, Harry Hagan,	164	10.33	9.31	7-9
5326	M. D. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Latrobe, Latrobe Whole- sale Grocery Co.	124	11.16	8.50	7-9
5884	M. D. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Saxton, W. H. Mosser, --	621	9.58	8.44	7-9
5454	M. D. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Apollo, L. Todd Owens, --	252	10.87	8.44	7-9
6190	M. D. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Wilmerding, Routh & Co.,	892	10.01	8.81	7-9
5693	M. D. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Blairsville, Smith & Mc- Kelvey.	491	9.70	8.13	7-9
5581	M. D. Chop Feed, The Toledo Grain and Milling Co., Toledo, Ohio.	Munson Station, Jacob Smutzinger.	379	9.35	8.00	7-9
		Average, -----		10.11	8.58	-----
5579	Mixed Chop, Wolf's Mill, Phillipsburg, Pa.	Phillipsburg, Wolf's Mill, --	377	10.50	12.25	4-9

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 3.65	Per ct. 3.5-4.5	Per ct. 6.20	Per ct. 6-8	\$1 50	White shelled corn, ear corn, barley, wheat flour, oats, oat middlings, oat shorts and oat hulls.	As certified, -----	5480
3.72	-----	6.21	-----	1 58			
4.23	3.5-4.5	5.35	6-8	1 76	White shelled corn, ear corn, barley, wheat flour, oats, oat middlings, oat shorts and oat hulls.	As certified, -----	5701
4.00	3.5-4.5	4.80	6-8	26 00	White shelled corn, ear corn, barley, wheat flour, oats, oat middlings, oat shorts and oat hulls.	As certified, -----	5266
4.12	-----	5.07	-----	30 60			
3.93	3-4	5.15	7-9	1 75	White or yellow shelled corn, ear corn, oats, oat middlings, oat shorts and oat hulls.	As certified, -----	6189
5.33	3.5-4.5	7.55	7-9	1 35	White or yellow shelled corn, ear corn, oats, oat middlings, oat shorts and oat hulls.	As certified, -----	5745
3.90	3.5-4.5	6.55	7-9	26 00	White or yellow shelled corn, ear corn, oats, oat middlings, oat shorts and oat hulls.	As certified, -----	5710
6.73	3.5-4.5	6.40	7-9	25 00	White or yellow shelled corn, ear corn, oats, oat middlings, oat shorts and oat hulls.	As certified, -----	5366
4.00	3.5-4.5	5.40	7-9	25 00	White or yellow shelled corn, ear corn, oats, oat middlings, oat shorts and oat hulls.	As certified, -----	5326
4.05	3.5-4.5	6.75	7-9	1 60	White or yellow shelled corn, ear corn, oats, oat middlings, oat shorts and oat hulls.	As certified, -----	5834
4.12	3.5-4.5	7.20	7-9	25 00	White or yellow shelled corn, ear corn, oats, oat middlings, oat shorts and oat hulls.	As certified, -----	5454
3.90	3.5-4.5	5.95	7-9	1 65	White or yellow shelled corn, ear corn, oats, oat middlings, oat shorts and oat hulls.	As certified, -----	6190
3.98	3.5-4.5	7.00	7-9	26 00	White or yellow shelled corn, ear corn, oats, oat middlings, oat shorts and oat hulls.	As certified, -----	5693
3.33	3.5-4.5	7.92	7-9	24 00	White or yellow shelled corn, ear corn, oats, oat middlings, oat shorts and oat hulls.	As certified, -----	5581
4.37	-----	6.76	-----	27 00			
3.38	2-5	2.95	5-7.5	1 65	Corn, oats, rye and wheat middlings.	As certified, -----	5579

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
PROPRIETARY POULTRY FOODS.						
5524	Mixed CK. Feed, Acme Milling Co., Olean, N. Y.	Coudersport, Gates Bros.,	322	Per ct. 10.75	Per ct. 12.00	-----
5591	Aleeda Chicken Feed, Altoona Grain and Feed Co., Altoona, Pa.	Altoona, Altoona Grain and Feed Co.	389	9.57	11.19	9.00
5592	Chicken Scratch Feed, Altoona Grain and Feed Co., Altoona, Pa.	Altoona, Altoona Grain and Feed Co.	390	11.59	11.00	3.00
5828	Amco Hen Feed, American Milling Co., Chicago, Ill.	Millersburg, Millersburg Roller Mills.	57	10.72	12.50	10.00
5654	Blended Hen Food—The Great Egg Producer, Blank & Gottshall, Sunbury, Pa.	Sunbury, Blank & Gottshall.	452	11.28	10.63	8-10.5
5655	Chick Food Invigorator, Blank & Gottshall, Sunbury, Pa.	Sunbury, Blank & Gottshall.	453	9.55	10.09	8-10.5
5538	Chick Food Invigorator, Blank & Gottshall, Sunbury, Pa.	Lock Haven, F. H. Dyer,	336	9.16	11.56	8-10.5
		Average, -----		9.35	11.13	-----
5653	B. & G's Dry Mash Food—Great Egg Producer, Blank & Gottshall, Sunbury, Pa.	Sunbury, Blank & Gottshall.	451	8.01	12.50	10-11
5370	Bolgiano's Square Deal Chick Food, Bolgiano's Seed Store, Baltimore, Md.	Uniontown, W. S. Smith,--	168	10.21	10.31	10.01
5371	Bolgiano's Square Deal Chick Starter, Bolgiano's Seed Store, Baltimore, Md.	Uniontown, W. S. Smith,--	169	10.48	10.19	9.48
5886	Bolgiano's Square Deal Poultry Food, J. Bolgiano's & Son, Baltimore, Md.	Bedford, Davidson Bros.,--	623	10.55	11.06	11.50
5976	Rex Brand Pigeon Food, W. J. Byrnes & Co., Chicago, Ill.	Pittsburg, The I. W. Scott Co.	678	8.98	11.63	-----
6082	F. P. C. Developing Chick Feed, F. P. Cassel & Son, Lansdale, Pa.	Lansdale, F. P. Cassel & Son.	784	10.67	11.63	-----
6077	F. P. C. High Grade Pigeon Feed, F. P. Cassel & Son, Lansdale, Pa.	Lansdale, F. P. Cassel & Son.	779	10.82	12.69	11-12

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
3.88		8.20		\$1 80		Corn, oats, wheat, barley, buckwheat, Kafir corn, sunflower seed, grit and trace of corn cockle.	5524
5.38	4.00	8.05	9.00	1 75	Corn chop, bran, alfalfa, hominy feed, oil meal and Kafir corn.	As certified, -----	5591
3.05	2.00	2.92	9.00	2 00	Wheat, cracked corn, Kafir corn, buckwheat and oats.	As certified, -----	5592
3.00	3.00	2.55	5.00	2 50	Corn, wheat, barley, Kafir corn, linseed oil cake, sunflower seed and buckwheat.	Corn, wheat, oats, barley, Kafir corn, corn, linseed oil cake, sunflower seed and buckwheat.	5828
3.25	2.25-3	3.22	2.5-3.5	1 70	Cracked corn, wheat, Kafir corn, buckwheat, barley, spelts, sunflower seed, hen-e-ta bone and charcoal.	Cracked corn, wheat, buckwheat, Kafir corn, barley, spelts and sunflower seed.	5654
2.30	2.25-3	2.20	2.5-3.25	1 80	Cracked corn, cracked wheat, millet, hen-e-ta grit, cracked peas, Kafir corn, milo maize flaxseed and charcoal.	As certified, -----	5655
3.00	2.25-3	2.50	2.5-3.25	3 00	Cracked corn, cracked wheat, millet, hen-e-ta grit, cracked peas, Kafir corn, milo maize and charcoal.	As certified, -----	5538
3.15		2.35		2 40			
3.00	2-3	3.75	3-3.5	1 85	Corn meal, gluten meal, wheat middlings, wheat bran, pea meal and hen-e-ta bone.	As certified, -----	5653
3.18	3.89	2.50	2.76	2 50	Corn, wheat, Kafir, millet, rice and seeds.	Corn, wheat, Kafir corn, millet and rice.	5370
3.50	4.14	2.52	2.70	2 50	Corn, wheat, Kafir, millet, rice and seeds.	Corn, wheat, Kafir corn, millet and rice.	5371
4.00	3.87	3.65	2.70	1 90	Wheat, corn, oats, barley, red and white Kafir and seeds.	Corn, oats, barley, wheat, Kafir corn, sunflower seed and small amount of weed seeds.	5886
2.95		3.37		2 40		Corn, wheat, buckwheat, millet, hemp seed, peas, Kafir corn and grit.	5976
3.50		2 50		1 90	Corn, wheat, barley, buckwheat, bone, Kafir corn, hulled oats, rice and millet.	As certified, -----	6082
3.75	3-4	2.80	2-3	40 00	Corn, peas, buckwheat, Kafir corn, millet, hempseed, flax seed, hulled oats, canary seed, rape seed and wheat.	As certified, -----	6077

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
6081	F. P. C. Standard Poultry Mash Food, F. P. Cassel & Son, Lansdale, Pa.	Lansdale, F. P. Cassel & Son.	783	Per ct. 9.83	Per ct. 18.44	-----
6068	F. P. C. Standard Scratch Feed, F. P. Cassel & Son, Lansdale, Pa.	Colmar, C. R. Rosenberger,	770	10.52	11.25	10-11
6079	F. P. C. Standard Poultry Scratch Feed, F. P. Cassel & Son, Lansdale, Pa.	Lansdale, F. P. Cassel & Son.	781	11.33	10.75	10-11
5517	Chesbro's Trojan Chick Feed, Chesbro Milling Co., Salamanca, N. Y.	Bradford, Smith Bros., --	315	11.20	10.63	10.00
5516	Chesbro's Trojan Scratch Feed, Chesbro Milling Co., Salamanca, N. Y.	Bradford, Smith Bros., --	314	12.28	11.25	10.75
5807	Chicken Feed Wheat, George C. Christian & Co., Minneapolis, Minn.	Altoona, E. D. Clark, ----	565	11.12	14.75	-----
5598	E. D. Clark's Superior Hen Food, E. D. Clark, Altoona, Pa.	Altoona, E. D. Clark, ----	396	11.85	12.50	8.00
5805	E. D. Clark's Superior Hen Food, E. D. Clark, Altoona, Pa.	Altoona, E. D. Clark, ----	563	10.92	9.94	8.00
		Average, -----		11.38	11.22	-----
5599	Superior Chick Food, E. D. Clark, Altoona, Pa.	Altoona, E. D. Clark, ----	397	12.43	9.81	8.00
5404	Mixture—Arrow Chick Food, E. W. Conklin & Son, Inc., Binghamton, N. Y.	York, F. Z. Stauffer, ----	202	12.24	12.06	11.50
5403	Mixture—Arrow Egg Food, E. W. Conklin & Son, Inc., Binghamton, N. Y.	York, F. Z. Stauffer, ----	201	12.72	11.31	11.45
5606	Dayton's Ideal Scratch Grains, Dayton Milling Co., Towanda, Pa.	Williamsport, Gohl & King,	404	12.86	11.00	8-12
5544	Crescent Chick Feed With Grit, The Albert Dickinson Co., Chicago, Ill.	Du Bois, A. T. Sprankle,--	342	9.57	11.25	10.00
5449	Globe Scratch Feed, No Grit, The Albert Dickinson Co., Chicago, Ill.	West Bridgewater, W. W. McCullough.	247	10.75	11.25	10.00

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 5.28	-----	Per ct. 9.32	-----	\$1 70	Corn meal, middlings, beef scraps, alfalfa meal, oats chop, cake meal, cottonseed meal, bran, gluten, charcoal and salt.	As certified, -----	6081
3.58	3-4	2.65	2-3	2 25	Wheat, buckwheat, corn, Kaffir corn, oats, barley, flaxseed, millet, sunflower, bone and charcoal.	Wheat, buckwheat, corn, bone, Kaffir corn, oats, barley, flax seed, sunflower seed and millet.	6068
3.75	3-4	3.07	2-3	37 00	Wheat, buckwheat, corn, Kaffir corn, oats, barley, flaxseed, millet, sunflower seed and bone.	As certified, -----	6079
3.18	2.70	2.50	-----	2 25	-----	Corn, wheat, Kaffir corn, millet and peas.	5517
2.90	2.40	3.15	-----	1 80	-----	Corn, oats, wheat, barley, buckwheat, Kaffir corn, peas and sunflower seed.	5516
3.55	-----	4.15	-----	-----	-----	Wheat and a large amount of weed seeds.	5807
3.03	2.00	2.70	15.00	1 60	Cracked corn, buckwheat, Kaffir corn, rye, oats, wheat, sunflower seed, grit and oyster shell.	Cracked corn, buckwheat, Kaffir corn, rye, oats, wheat, sunflower seed, flaxseed, grit, oyster shells and a considerable proportion of weed seeds.	5598
3.15	2.00	2.57	15.00	1 90	Cracked corn, buckwheat, Kaffir corn, rye, oats, wheat, sunflower seed, grit and oyster shell.	Cracked corn, buckwheat, Kaffir corn, rye, oats, wheat, sunflower seed, flaxseed, grit, oyster shells and small amount of weed seeds.	5805
3.09	-----	2.63	-----	1 75	-----	-----	-----
3.05	2.00	1.95	15.00	1 60	Cracked corn, Kaffir corn, millet, wheat, grit and oyster shell.	As certified, -----	5599
3.13	4.30	3.30	2.90	2 50	Corn, Kaffir corn, milo maize, wheat, millet and peas.	As certified, -----	5404
4.23	3.85	4.15	7.50	2 10	Corn, wheat, Kaffir corn, buckwheat, milo maize, speltz, barley, peas, flax and sunflower seed.	As certified, -----	5403
3.00	3-6	2.87	3-6	1 90	-----	Corn, oats, barley, wheat, buckwheat, Kaffir corn and sunflower seed.	5606
3.23	2.50	3.07	5.00	2 25	Corn, wheat, Kaffir corn, hulled oats, millet and grit.	As certified, -----	5544
3.23	2.50	3.45	5.00	1 80	Corn, wheat, barley, oats, Kaffir corn, buckwheat, sunflower and oil cake.	As certified, -----	5449

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
6193	Globe Scratch Feed, The Albert Dickinson Co., Chicago, Ill.	Wilmerding, Routh & Co.,	895	Per ct. 11.93	Per ct. 12.38	Per ct. 10.60
		Average, -----		11.34	11.82	-----
6194	Globe Scratch Feed With Grit, The Albert Dickinson Co., Chicago, Ill.	Wilmerding, Routh & Co.,	896	11.51	11.00	10.00
6040	Pine Tree Scratch Feed, No Grit, The Albert Dickinson Co., Chicago, Ill.	Corry, Acme Milling Co.,	742	10.74	10.94	10.00
5448	Pine Tree Scratch Feed, No Grit, The Albert Dickinson Co., Chicago, Ill.	West Bridgewater, W. W. McCullough.	246	10.45	10.81	10.00
		Average, -----		10.59	10.88	-----
5442	Queen Poultry Mash, The Albert Dickinson Co., Chicago, Ill.	New Brighton, J. H. Hornby & Sons.	240	9.90	11.63	11.00
5379	Queen Poultry Mash, The Albert Dickinson Co., Chicago, Ill.	Charleroi, R. C. Mountser,	177	10.10	12.25	11.00
		Average, -----		10.00	11.94	-----
5537	Dyer's Hen Feed, F. H. Dyer, Lock Haven, Pa.	Lock Haven, F. H. Dyer,--	335	11.02	11.25	11.53
5625	Chick Food, Eaker & Vermilya, Muncy, Pa.	Muncy, Eaker & Vermilya,	423	11.45	10.38	8-10
5923	Red Comb Meal Mash—The Great Egg Maker, Edwards & Loomis Co., Chicago, Ill.	Carnegie, C. A. Foster, --	651	8.18	15.88	15.00
5678	Red Comb Meal Mash—The Great Egg Maker, Edwards & Loomis Co., Chicago, Ill.	Wilkinsburg, Johnston & Smith.	476	10.05	17.50	15.00
		Average, -----		9.11	16.69	-----
5948	Red Comb Poultry Feed, Edwards & Loomis Co., Chicago, Ill.	Franklin, J. H. Lavery, --	664	10.41	10.94	10.00
5642	Hen Food, Elkland Milling Co., Elkland, Pa.	Wellsboro, Equity Co-Operative Exchange.	440	11.77	11.19	-----

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 3.53	Per ct. 2.50	Per ct. 2.45	Per ct. 5.00	\$2 10	Corn, wheat, barley, oats, Kaffir corn, buckwheat, sunflower and oil cake. No grit.	As certified, -----	6193
3.38	-----	2.95	-----	1 95			
3.05	2.50	2.15	5.00	2 10	Corn, wheat, barley, oats, Kaffir corn, buckwheat, sunflower, oil cake, crushed shells and grit.	As certified, -----	6194
3.63	2.50	2.90	6.00	1 80	Corn, wheat, barley, sunflower, oats, Kaffir corn and no grit.	As certified, -----	6040
3.33	2.50	2.30	5.00	1 75	Corn, wheat, barley, sunflower, oats and Kaffir corn.	As certified, -----	5448
3.48	-----	2.60	-----	1.78			
3.78	2.50	7.37	10.00	1 45	Corn, meal, middlings, bran, shorts, alfalfa meal, beef scraps and oil cake.	As certified, -----	5442
4.08	2.50	5.55	10.00	1 80	Corn, meal, middlings, bran, shorts, alfalfa meal and beef scraps.	As certified, -----	5379
3.93	-----	6.46	-----	1 63			
4.13	3.80	3.65	3.36	2 00	Cracked corn, buckwheat, wheat, Kaffir corn, sunflower seed and charcoal.	As certified, -----	5537
3.00	3-7	2.05	22.73	1 85	Cracked corn, cracked Kaffir corn, cracked wheat, millet seed and fine oyster shells.	As certified, -----	5625
4.45	4.00	7.00	8.00	2 00	Oatmeal, oil meal, corn meal, beef scraps, wheat bran, wheat middlings, alfalfa meal and not over 5 per cent. shell and 1 per cent. charcoal.	As certified, -----	5923
4.73	4.00	7.57	8.00	2 00	Oat and oat meal, corn meal, beef scraps, wheat bran, wheat middlings, alfalfa meal and not over 5 per cent. shell and 1 per cent. charcoal.	As certified, -----	5678
4.59	-----	7.28	-----	2 00			
3.58	2.50	2.82	5.00	2 00	Wheat, cracked corn, Kaffir corn, barley, oats, sunflower seed, buckwheat and not over 3 per cent. grit, 3 per cent. shell and 1 per cent. charcoal.	As certified, -----	5948
3.63	-----	4.27	-----	1 50		Corn, oats, wheat, buckwheat, sunflower seed, grit and a small amount of weed seeds.	5642

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
5285	Chick Feed, John W. Eshelman, Lancaster, Pa.	Lancaster, John W. Eshelman.	83	Per ct. 11.47	Per ct. 11.31	Per ct. 7-9
5286	Hen Feed, John W. Eshelman, Lancaster, Pa.	Lancaster, John W. Eshelman.	84	12.10	10.25	7-8
6134	Hen Feed, John W. Eshelman, Lancaster, Pa.	Elizabethtown, A. W. Martin.	836	12.25	10.88	7-9
5296	Pigeon Feed, John W. Eshelman, Lancaster, Pa.	Lancaster, John W. Eshelman.	94	12.20	12.00	8-9
5741	Blue Ribbon Little Chick Food, Globe Elevator Co., Buffalo, N. Y.	Lindsey, Lindsey Milling Co.	523	11.09	12.19	-----
5959	Sterling Chick Feed, The Great Western Cereal Co., Chicago, Ill.	Bowers, W. W. Feick, ---	88	11.83	13.44	10.00
5817	Sterling Chick Feed, The Great Western Cereal Co., Chicago, Ill.	Longsdorf, James P. Myers.	46	10.33	12.31	10.00
		Average, -----		11.08	12.88	-----
5816	Sterling Scratch Feed, The Great Western Cereal Co., Chicago, Ill.	Longsdorf, James P. Myers.	45	10.72	11.75	10.00
5572	Sterling Scratch Feed, The Great Western Cereal Co., Chicago, Ill.	Philipsburg, Philipsburg Grist Mill Co.	370	10.93	11.69	10.00
5782	Sterling Scratch Feed, The Great Western Cereal Co., Chicago, Ill.	Somerset, Saylor & Woy,	552	10.95	11.06	10.00
		Average, -----		10.86	11.50	-----
5896	Anchor Chick Feed, The Harrison-Johnson Company, Toledo, Ohio.	Oil City, Clyde D. Duffee,	633	12.25	11.44	11.00
5691	Anchor Chick Feed, The Harrison-Johnson Company, Toledo, Ohio.	Wilkinsburg, Wilkinsburg Milling Co.	489	10.51	10.88	11.00
		Average, -----		11.38	11.16	-----

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
3.20	3-5	3.12	2-3	\$34 00	Cracked wheat, cracked corn, hominy, broken cereal plant, separated from wheat, Kaffir corn, cracked Kaffir corn, hulled oats, rice, millet, flaxseed and 5 per cent. grit and shell.	Cracked wheat, cracked corn, hominy, Kaffir corn, hulled oats, rice, millet, grit and shell.	5285
3.88	2-3	2.40	7-8	32 00	Cracked corn, buckwheat, wheat screenings, Kaffir corn, wheat, barley, sunflower, bone, flaxseed, millet and 5 per cent. grit and shell.	As certified, -----	5286
3.95	2-5	2.85	5-7	1 80	Cracked corn, buckwheat, sunflower seed, broken cereal plant separated from wheat, Kaffir corn, poultry, bone, flaxseed and millet, 5 per cent. grit and shell.	Cracked corn, buckwheat, sunflower seed, wheat, Kaffir corn, poultry bone, flaxseed, millet, grit and shell.	6134
3.08	2-3	2.42	3-4	35 00	Millet, peas, cracked corn, wheat, barley, flaxseed, granulated bone, buckwheat, Kaffir corn, hulled oats and 2 per cent. grit and shell.	Millet, rice, cracked corn, wheat, flaxseed, granulated bone, buckwheat, Kaffir corn, grit and shell.	5296
3.18	-----	2.60	-----	2 50	-----	Corn, hulled oats, wheat, Kaffir corn, peas and millet.	5741
2.95	3.00	2.12	4.80	2 00	Cracked corn, oat groats, millet and unground seeds and grains.	Corn, oat groats, wheat, barley and millet.	5959
2.95	3.00	2.07	4.00	2 25	Cracked corn, oat groats, millet and unground seeds and grains.	Cracked corn, wheat, oat groats, Kaffir corn and millet.	5817
2.95	-----	2.09	-----	2 13	-----	-----	-----
3.40	3.00	2.32	4.00	2 25	Cracked corn, wheat, barley, Kaffir corn, oats and sunflower seeds.	Cracked corn, wheat, barley, Kaffir corn, oats, buckwheat and sunflower seeds.	5816
3.75	3.00	2.30	4.00	33 00	Cracked corn, wheat, barley, Kaffir corn, oats and sunflower seeds.	Cracked corn, wheat, barley, Kaffir corn, oats, buckwheat and sunflower seeds.	5672
3.50	3.00	2.40	4.00	2 25	Cracked corn, wheat, barley, Kaffir corn, oats and sunflower seeds.	Cracked corn, wheat, barley, Kaffir corn, oats, buckwheat and sunflower seeds.	5782
3.55	-----	2.34	-----	2 05	-----	-----	-----
2.01	3.50	2.15	3.35	2 25	Corn, wheat, Kaffir corn, oats, millet and bone meal.	As certified, -----	5896
3.65	3.50	2.17	3.35	2 00	Corn, wheat, Kaffir corn, oats, millet, bone meal and grit.	Corn, wheat, oats, barley, Kaffir corn, millet, bone meal and grit.	5691
2.83	-----	2.16	-----	2 13	-----	-----	-----

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
5692	Anchor Developing Feed, The Harrison - Johnson, Company, Toledo, Ohio.	Wilkinsburg, Wilkinsburg Milling Co.	490	Per ct. 10.48	Per ct. 10.81	Per ct. 13.30
5869	Imperial Chicken Feed, Huntingdon Milling Co., Huntingdon, Pa.	Huntingdon, Huntingdon Milling Co.	606	11.11	11.44	-----
5634	Husted Laying Mash, Husted Milling Co., Buffalo, N. Y.	Troy, Snedeker & Mitchell,	432	11.09	17.25	15-17
5652	Husted Poultry Feed, Husted Milling Co., Buffalo, N. Y.	Knoxville, Deerfield Milling Co.	450	10.16	13.63	12-14
5916	John-Hen Poultry Feed, Keystone Commercial Co., Pittsburg, Pa.	McKeesport, Keystone Commercial Co.	644	9.34	9.88	10.00
5853	John-Hen Poultry Feed, Keystone Commercial Co., Pittsburg, Pa.	Washington, Henry O. Myers.	590	10.13	11.56	10.00
		Average, -----		9.73	10.72	-----
5669	Poultry Food, Kift Milling Co., Sunbury, Pa.	Sunbury, Kift Milling Co.,	467	11.91	11.56	10.00
5277	A No. 1 Poultry Grains, H. J. Klingler & Co., Butler, Pa.	Butler, H. J. Klingler & Co.	75	10.75	10.75	-----
5753	A No. 1 Poultry Grains, H. J. Klingler & Co., Butler, Pa.	Clarion, B. W. Thompson,	535	10.22	11.13	-----
		Average, -----		10.48	10.94	-----
5929	Ideal Hen Feed, H. B. Kratz & Co., Schwenksville, Pa.	Allentown, E. S. Koch, ---	76	10.65	11.06	-----
5282	L. & S. Hen Feed, Levan & Sons, Columbia, Pa.	Lancaster, Levan & Sons,	80	9.70	10.56	6-8
5742	Poultry Feed, Lindsey Milling Co., Lindsey, Pa.	Lindsey, Lindsey Milling Co.	524	11.13	10.75	-----
5776	Martin's Chick Feed, Martin & Co., Altoona, Pa.	Altoona, Martin & Co., --	546	10.34	12.63	12.00
5777	Martin's Mixed Poultry Feed, Martin & Co., Altoona, Pa.	Altoona, Martin & Co., --	547	10.76	11.69	12.75

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 3.10	Per ct. 4.95	Per ct. 2.90	Per ct. 2.50	\$2 00	Wheat, corn, Kaffir corn, milo maize, buckwheat, millet, charcoal, flax and grit.	Wheat, corn, Kaffir corn, milo maize, buckwheat, millet, flax and grit.	5692
4.20	-----	5.80	-----	2 00	Cracked corn, Kaffir corn, millet seed and sunflower seed.	As certified, -----	5869
5.00	3-4	4.75	6-8	1 75	Bran, middlings, corn, rolled oats and cottonseed meal.	As certified, -----	5634
5.03	4-5	7.32	6-9	1 50	Bran, middlings, corn, gluten and alfalfa.	As certified, -----	5652
3.20	2.50	3.17	2 00	35 00	Wheat, cracked corn, buckwheat, barley, Kaffir corn, oats, sunflower seed, charcoal, grit and oyster shell.	As certified, -----	5916
3.38	2.50	2.72	2.00	2 20	Wheat, cracked corn, buckwheat, barley, Kaffir corn, oats, sunflower seed and charcoal.	As certified, -----	5853
3.29	-----	2.94	-----	1 98			
3.08	3.00	3.10	5.00	1 80	Sunflower seed, Kaffir corn, wheat, oats, corn, buckwheat and bone.	As certified, -----	5669
3.50	-----	3.20	-----	1 75	Pure grains, cracked corn and sunflower seed. No grit or screenings.	Corn, oats, barley, buckwheat, wheat, Kaffir corn and sunflower seed.	5277
2.53	-----	2.75	-----	1 75	Pure grains, cracked corn and sunflower seeds. No grit or screenings.	Corn, oats, barley, buckwheat, wheat, Kaffir corn and sunflower seed.	5753
3.52	-----	2.97	-----	1 75			
3.40	-----	2.52	-----	2 25	Cracked corn, wheat, barley, buckwheat, Kaffir corn and sunflower seeds.	Cracked corn, oats, wheat, barley, buckwheat, Kaffir corn and sunflower seed.	5929
3.20	2-3	3.70	5-6	1 75	Buckwheat, wheat, Kaffir corn, barley, sunflower seed, oats, cracked corn and 5 per cent. grit and shell.	As certified, -----	5282
3.20	-----	3.20	-----	2 00	Cracked corn, Kaffir corn, wheat, buckwheat, barley and oats.	As certified, -----	5742
3.23	3.00	2.00	2.00	3 25	Cracked corn, German millet, steel cut oats, cracked Canadian peas, cracked Kaffir corn, cracked rice and cracked wheat.	As certified, -----	5776
2.95	2.90	3.45	3.69	2 40	Wheat, buckwheat, barley, oats, cracked corn, Kaffir corn, Canada peas and sunflower seed.	As certified, -----	5777

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
5463	Diamond Scratch Feed—No Grit, R. S. McCague, Pittsburgh, Pa.	Kittanning, J. A. Gault Co.	261	Per ct. 11.19	Per ct. 11.13	Per ct. 10.50
5435	Diamond Scratch Feed (Grit), R. S. McCague, Pittsburgh, Pa.	Pittsburg, R. S. McCague,	233	11.44	10.69	10.00
5911	Diamond Scratch Feed (Grit), R. S. McCague, Pittsburgh, Pa.	Irwin, T. F. Wilson Co.,	639	10.10	9.88	10.00
		Average, -----		10.77	10.29	-----
5801	No. 1 Scratch Feed, Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Robesonia, R. E. Leiss, --	37	10.38	10.75	-----
5924	Purity Poultry Mash, Miner-Hillard Milling Co., Wilkes-Barre, Pa.	Allentown, A. T. Stover Estate.	71	8.70	15.25	15-17
6020	Acme Mash Feed, Nickel Plate Elevator Co., Cleveland, Ohio.	Erie, D. J. Carroll, -----	722	8.56	16.81	18.56
5299	Sugarota Chick Feed, North West Mills Co., Winona, Minn.	Lancaster, Sprecher & Ganss.	97	11.78	11.81	13.50
5300	Sugarota Scratch Feed, North West Mills Co., Winona, Minn.	Lancaster, Sprecher & Ganss.	98	11.50	10.56	12.00
5545	Mixed Chicken Feed, C. H. Notter, Du Bois, Pa.	Du Bois, C. H. Notter, ---	343	11.32	12.94	-----
5770	Dry Mash, The Park & Pollard Co., Boston, Mass.	Tyrone, The Bayer-Gillam Co.	540	8.50	18.94	20-23
5610	Dry-Mash, The Park & Pollard Co., Boston, Mass.	Williamsport, F. W. Dawson & Son.	408	8.93	23.63	20.00
5732	Dry-Mash, The Park & Pollard Co., Boston, Mass.	Towanda, Dayton Milling Co.	9	8.43	19.25	20-23
5577	Dry-Mash, The Park & Pollard Co., Boston, Mass.	Philipsburg, Philipsburg Grist Mill Co.	375	10.31	18.81	20.00
5399	Dry-Mash, The Park & Pollard Co., Boston, Mass.	York, F. Z. Stauffer, -----	197	10.14	15.69	20.00
5540	Dry-Mash, The Park & Pollard Co., Boston, Mass.	Lock Haven, E. E. Wentz,	338	9.51	16.69	20.23
		Average, -----		9.30	18.84	-----

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 3.50	Per ct. 3.50	Per ct. 3.57	Per ct. 4.00	\$1 80	-----	Corn, oats, wheat, barley, buckwheat, Kafir corn and sunflower seed.	5463
3.22	3.00	3.12	3.50	28 50	Corn, wheat, barley, buckwheat, grit, sunflower seed, wheat screenings and Kafir corn.	Corn, oats, wheat, barley, buckwheat, Kafir corn, sunflower seed, grit and trace of weed seeds.	5435
3.12	3.00	2.57	3.50	40 00	-----	Corn, oats, wheat, barley, buckwheat, Kafir corn, sunflower seed and grit.	5911
3.17	-----	2.84	-----	34 25	-----	-----	-----
3.45	-----	3.85	-----	2 00	-----	Corn, oats, wheat, barley, buckwheat, Kafir corn, sunflower seed and peas.	5801
5.58	6-7	8.45	8-10	2 35	Green peas, alfalfa meal, wheat middlings, buckwheat middlings, wheat bran, ground oats and hominy feed.	As certified, -----	5924
4.45	4.77	5.20	7.70	2 25	Beef scraps, hen-e-ta bone, oil meal, alfalfa, gluten meal, corn meal, barley flour and wheat bran.	As certified, -----	6020
3.40	3.50	2.72	12.00	2 25	Cracked wheat, cracked corn, millet and hulled oats.	As certified, -----	5299
3.50	3.50	1.95	12.00	2 00	Cracked corn, wheat, barley, oats, buckwheat, Kafir corn and sunflower seed.	As certified, -----	5300
3.03	-----	2.62	-----	1 75	Whole and cracked grains consisting of wheat, corn and oats.	Corn, oats, wheat, flaxseed and a large proportion of weed seeds.	5545
3.68	3.00	9.35	-----	2 50	-----	Corn, oats, barley, alfalfa, wheat bran and middlings, fish, meat, bone and salt.	5770
4.68	3.00	7.30	10.00	2 50	Bran, middlings, corn, wheat, barley, alfalfa, fish, meat, bone and salt.	As certified, -----	5610
4.90	3.00	9.00	-----	2 50	-----	Corn, trace of oats, barley, wheat, alfalfa, wheat bran and middlings, fish, meat, bone and salt.	5732
3.08	3.00	6.25	10.00	4 00	Bran, middlings, corn, wheat, barley, alfalfa, fish, meat, bone and salt.	As certified, -----	5577
6.03	3.00	7.40	10.00	2 35	Bran, middlings, corn, wheat, barley, alfalfa, fish, meat, bone and salt.	As certified, -----	5390
3.75	3.00	8.12	-----	2 25	-----	Corn, wheat bran and middlings, barley, alfalfa, fish, meat, bone and salt.	5540
4.35	-----	7.40	-----	2 68	-----	-----	-----

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
5731	Gritless Chick Food, The Park & Pollard Co., Boston, Mass.	Towanda, Dayton Milling Co.	8	Per ct. 10.15	Per ct. 15.69	Per ct. 10-13
5479	Gritless Chick Food, The Park & Pollard Co., Boston, Mass.	Ridgway, C. O. Salberg,--	277	12.55	15.56	13.77
5503	Gritless Chick Food, The Park & Pollard Co., Boston, Mass.	Kane, J. A. Stoll & Co.,	301	13.51	14.00	13.77
		Average, -----		12.07	15.08	-----
5613	Growing Feed, The Park & Pollard Co., Boston, Mass.	Williamsport, F. W. Dawson & Son.	411	10.49	13.56	10.00
5730	Growing Feed, The Park & Pollard Co., Boston, Mass.	Towanda, Dayton Milling Co.	7	9.35	14.56	14-16
5397	Growing Feed, The Park & Pollard Co., Boston, Mass.	York, F. Z. Stauffer, ---	195	12.25	15.19	14-15
		Average, -----		10.70	14.44	-----
5729	Red Ribbon Chick Food, The Park & Pollard Co., Boston, Mass.	Towanda, Dayton Milling Co.	6	10.31	11.81	10.00
5478	Red Ribbon Chick Food, The Park & Pollard Co., Boston, Mass.	Ridgway, C. O. Salberg,--	276	12.75	12.31	10.00
5402	Red Ribbon Chick Food, The Park & Pollard Co., Boston, Mass.	York, F. Z. Stauffer, ---	200	13.02	11.19	10-12
		Average, -----		12.02	11.77	-----
5614	Scratch Feed, The Park & Pollard Co., Boston, Mass.	Williamsport, F. W. Dawson & Son.	412	11.24	12.50	10.12
5728	Screened Scratch Feed, The Park & Pollard Co., Boston, Mass.	Towanda, Dayton Milling Co.	5	11.05	11.31	10.00
5308	Mash Feed, Fred Pontz, Lancaster, Pa.	Lancaster, Fred Pontz, ---	106	10.57	19.00	9.00
5350	Pritts' Dry Mash, J. E. Pritts, Scottsdale, Pa.	Scottsdale, J. E. Pritts, --	148	10.43	24.63	20-25
5504	Purina Chicken Chowder, Purina Mills, St. Louis, Mo.	Smethport, C. Herzog, ---	302	10.00	17.50	16.00
5226	Purina Chicken Chowder, Purina Mills, St. Louis, Mo.	Lebanon, Kurtz & Mayers,	26	9.40	17.50	16.00

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.03	Per ct. 2.77	Per ct. 2.60	Per ct. -----	\$2 50	-----	Corn, wheat, rice, millet, canary seed, fish, small amount of weed seeds and trace of oats.	5731
3.20	2.77	3.00	-----	3 00	-----	Corn, wheat, rice, millet, canary seed and dried fish.	5479
5.23	2.77	2.32	-----	2 25	-----	Corn, wheat, rice, millet, canary seed, and dried fish.	5503
4.15	-----	2.64	-----	2 58	-----		
3.78	3.50	3.67	5.00	2 50	Bran, middlings, corn, wheat, barley, alfalfa, fish, meat, bone and salt.	As certified, -----	5613
3.83	3.5-4	5.40	-----	2 50	-----	Corn, oats, barley, wheat bran and middlings, fish, meat, bone and salt.	5730
3.78	3.5-4	3.07	-----	2 35	-----	Corn, oats, barley, wheat bran and middlings, fish, meat bone and salt.	5397
3.80	-----	4.04	-----	2 45	-----		
3.65	3.00	2.05	-----	2 00	-----	Corn, hulled oats, wheat, Kaffir corn, millet and rice.	5729
3.50	3.00	1.57	-----	2 50	-----	Corn, oats, wheat, buckwheat, Kaffir corn, rice and trace of weed seeds.	5478
3.40	3.50	1.80	5.00	2 25	Cracked corn, wheat, rice, oats and millet.	As certified, -----	5402
3.52	-----	1.80	-----	2 25	-----		
3.50	3.50	2.55	5.00	2 00	Cracked corn, wheat, buckwheat, barley, oats, charcoal and sunflower seed.	Cracked corn, wheat, oats, barley, buckwheat and sunflower seed.	5614
3.65	3.00	2.75	-----	2 00	-----	Corn, oats, barley, wheat, sunflower seed, Kaffir corn and buckwheat.	5728
5.23	4.00	7.75	9.00	1 90	Wheat bran, wheat middlings, oil meal, alfalfa, meat scraps and corn chop.	As certified, -----	5308
5.65	3.5-6	8.35	9-14	2 50	Beef scraps, alfalfa meal, cottonseed meal, pure corn chop, ground wheat, ground oats, charcoal, oil meal, wheat bran and wheat middlings.	As certified, -----	5350
4.60	2.50	7.65	9.00	2 94	Alfalfa meal, corn meal, bran, middlings, linseed meal, granulated meat and charcoal.	As certified, -----	5504
4.30	2.50	8.02	11.50	1 85	Alfalfa meal, corn meal, bran, middlings, linseed meal, bone meal, granulated meat and charcoal.	As certified, -----	5226

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
6121	Purina Chicken Chowder, Purina Mills, St. Louis, Mo.	Chester, T. Frank McCall,	823	Per ct. 9.31	Per ct. 19.88	Per ct. 16.00
5867	Purina Chicken Chowder, Purina Mills, St. Louis, Mo.	Washington, Adam Zelt & Sons.	604	9.16	17.63	16.00
		Average, -----		9.46	18.13	-----
5332	Purina Mill Feed, Chick Size, Purina Mills, St. Louis, Mo.	Greensburg, W. N. Davis,	130	12.06	11.56	11.00
5224	Purina Mill Feed, Chick Size, Purina Mills, St. Louis, Mo.	Lebanon, Kurtz & Mayers,	24	12.13	11.06	11.00
5303	Purina Mill Feed, Chick Size, Purina Mills, St. Louis, Mo.	Lancaster, Sprecher & Ganss.	101	12.18	12.00	11.00
5391	Purina Mill Feed, Chick Size, Purina Mills, St. Louis, Mo.	York, Strayer Bros. Co.,	189	11.45	11.18	11.00
		Average, -----		11.95	11.63	-----
6123	Purina Mill Feed, Pigeon Size, Purina Mills, St. Louis, Mo.	Chester, T. Frank McCall,	825	10.60	13.44	11.00
5304	Purina Mill Feed, Pigeon Size, Purina Mills, St. Louis, Mo.	Lancaster, Sprecher & Ganss.	102	12.07	13.06	11.00
		Average, -----		11.33	13.25	-----
5333	Purina Mill Feed, Scratch Size, Purina Mills, St. Louis, Mo.	Greensburg, W. N. Davis,	131	11.75	11.63	11.00
5225	Purina Mill Feed, Scratch Size, Purina Mills, St. Louis, Mo.	Lebanon, Kurtz & Mayers,	25	11.02	11.13	11.00
5481	Purina Mill Feed, Scratch Size, Purina Mills, St. Louis, Mo.	Ridgway, Smith Bros. Co.,	279	11.96	11.63	11.00

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.75	Per ct. 2.50	Per ct. 7.05	Per ct. 9.00	\$2 25	Alfalfa meal, corn meal, bran middlings, linseed meal, granulated meat and charcoal.	As certified, -----	6121
4.85	2.50	6.77	9.00	2 50	Alfalfa meal, corn meal, bran middlings, linseed meal, granulated meat and charcoal.	As certified, -----	5367
4.63	-----	7.37	-----	2 39			
3.93	3.60	2.67	4.00	2 30	Wheat, corn, millet, Kaffir, milo maize, re-cleaned miscellaneous seeds.	Corn, wheat, millet, Kaffir corn, milo maize and a large proportion of weed seeds.	5232
3.80	3.60	2.35	4.00	2 00	Wheat, corn, millet, Kaffir, milo maize, re-cleaned miscellaneous seeds.	Corn, wheat, millet, Kaffir corn, milo maize and a large proportion of weed seeds.	5224
3.48	3.50	2.75	4.00	2 00	Wheat, corn, millet, Kaffir, milo maize, re-cleaned miscellaneous seeds.	Corn, wheat, millet, Kaffir corn, milo maize and a large proportion of weed seeds.	5303
3.95	3.60	3.00	4.00	2 15	Wheat, corn, millet, Kaffir, milo maize, re-cleaned miscellaneous seeds.	Corn, wheat, millet, Kaffir corn, milo maize and a large proportion of weed seeds.	5331
3.79	-----	2.69	-----	2 11			
2.74	3.60	2.75	4.00	2 50	Wheat, corn, millet, Kaffir, milo maize, peas, re-cleaned miscellaneous seed.	Corn, wheat, millet, Kaffir corn, milo maize, peas and weed seeds.	6123
3.28	3.60	3.00	4.00	2 50	Wheat, corn, millet, Kaffir, milo maize, peas, re-cleaned miscellaneous seed.	Corn, wheat, millet, Kaffir corn, milo maize, peas and a large proportion of weed seeds.	5304
3.01	-----	2.87	-----	2 50			
3.58	3.60	2.70	4.00	2 00	Wheat, corn, barley, Kaffir, milo maize, sunflower, re-cleaned miscellaneous seeds.	Corn, oats, wheat, barley, Kaffir corn, milo maize, sunflower seed and a large proportion of weed seeds.	5333
3.60	3.60	3.12	4.00	1 85	Wheat, corn, oats, barley, Kaffir, milo maize, sunflower, re-cleaned miscellaneous seeds.	Corn, oats, wheat, barley, Kaffir corn, milo maize, sunflower seed and a large proportion of weed seeds.	5225
3.90	3.60	2.55	4.00	2 25	Wheat, corn, oats, barley, Kaffir, milo maize, sunflower, re-cleaned miscellaneous seeds.	Corn, oats, wheat, barley, Kaffir corn, milo maize, sunflower seed and a large proportion of weed seeds.	5481

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
5392	Purina Mill Feed, Scratch Size, Purina Mills, St. Louis, Mo.	York, Strayer Bros. Co.,	190	Per ct. 10.97	Per ct. 12.69	Per ct. 11.00
		Average, -----		11.42	11.77	-----
6184	American Hen Scratching Grains, The Quaker Oats Co., Chicago, Ill.	Jeannette, Keystone Supply Co.	886	10.23	11.25	10.00
5993	American Hen Scratching Grains, The Quaker Oats Co., Chicago, Ill.	Braddock, Marliott & Sons.	695	10.54	10.81	10.00
6195	American Hen Scratching Grains, The Quaker Oats Co., Chicago, Ill.	Wilmerding, Routh & Co.,	897	10.38	11.00	10.00
5380	American Hen Scratching Grains, The Quaker Oats Co., Chicago, Ill.	Hopewell, M. V. Zeth, ---	617	10.46	10.31	10.00
		Average, -----		10.40	10.84	-----
5452	Schumacher Little Chick Feed, The Quaker Oats Co., Chicago, Ill.	Monaca, Allen Davidson, --	250	10.28	11.13	10.00
6152	American Poultry Feed, The Quaker Oats Co., Chicago, Ill.	Lewistown, Lewistown Ice and Storage Co.	854	10.73	14.00	12.00
5450	Schumacher Scratching Grains—No Grit, The Quaker Oats Co., Chicago, Ill.	Monaca, Allen Davidson, --	246	10.88	11.69	10.00
5339	Schumacher Scratching Grains, The Quaker Oats Co., Chicago, Ill.	Greensburg, Harry Orr & Co.	137	10.43	12.00	10.00

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 3.45	Per ct. 3.60	Per ct. 3.22	Per ct. 4.00	\$1 90	Wheat, corn, barley, oats, Kaffir, milo maize, sunflower, re-cleaned miscellaneous seeds.	Corn, oats, wheat, barley, Kaffir corn, milo maize, sunflower seed and a large proportion of weed seeds.	5392
3.63	-----	2.89	-----	2 00			
3.60	2.50	2.67	5.00	2 00	Wheat, barley, oats, Kaffir corn, buckwheat, corn and sunflower seeds, with not to exceed 6 per cent. marble grit and $\frac{1}{2}$ of 1 per cent. poultry charcoal.	As certified, -----	6184
3.48	2.50	2.50	5.00	2 15	Wheat, barley, oats, Kaffir corn, buckwheat, corn and sunflower seeds, with not to exceed 6 per cent. marble grit and $\frac{1}{2}$ of 1 per cent. poultry charcoal.	As certified, -----	5993
3.40	2.50	2.30	5.00	2 10	Wheat, barley, oats, Kaffir corn, buckwheat, corn and sunflower seeds, with not to exceed 6 per cent. marble grit and $\frac{1}{2}$ of 1 per cent. poultry charcoal.	As certified, -----	6195
3.68	2.50	3.07	5.00	2 00	Wheat, barley, oats, Kaffir corn, buckwheat, corn and sunflower seeds, with not to exceed 6 per cent. marble grit and $\frac{1}{2}$ of 1 per cent. poultry charcoal.	As certified, -----	5880
3.54	-----	2.63	-----	2.06			
3.30	2.50	3.02	5.00	2 10	Corn, rye, millet, Kaffir corn and wheat, with not to exceed $\frac{1}{2}$ of 1 per cent. poultry charcoal and 6 per cent. marble grit.	As certified, -----	5452
4.78	3.50	4.60	9.00	2 00	Corn, barley, cottonseed meal and wheat bran.	As certified, -----	6152
4.70	2.50	2.92	5.00	1 85	Wheat, oats, barley, Kaffir corn, buckwheat, corn and sunflower seeds, with not to exceed $\frac{1}{2}$ of 1 per cent. poultry charcoal.	As certified, -----	5450
3.63	2.50	2.75	5.00	2 00	Wheat, oats, barley, Kaffir corn, buckwheat, corn and sunflower seeds, with not to exceed $\frac{1}{2}$ of 1 per cent. poultry charcoal.	As certified, -----	5339

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
5927	Schumacher Seratching Grains, The Quaker Oats Co., Chicago, Ill.	Allentown, Geo. B. Shelly Est.	74	Per ct. 10.16	Per ct. 11.88	Per ct. 10.00
		Average, -----		10.49	11.86	-----
6122	Chicken Feed, Chick Size, Ralston Purina Company, St. Louis, Mo.	Chester, T. Frank McCall,	824	10.92	12.19	11.00
5866	Chicken Feed, Chick Size, Ralston Purina Company, St. Louis, Mo.	Washington, Adam Zelt & Sons.	603	10.35	12.06	11.00
		Average, -----		10.63	12.13	-----
5715	Chicken Feed, Scratch Size, Ralston Purina Co., St. Louis, Mo.	New Castle, P. Wagner & Son.	513	10.47	11.13	11.00
5865	Chicken Feed, Scratch Size, Ralston Purina Co., St. Louis, Mo.	Washington, Adam Zelt & Sons.	602	10.80	10.69	11.00
		Average, -----		10.63	10.91	-----
5467	Red Hen Scratch Feed, Saginaw Milling Co., Saginaw, Mich.	Kittanning, J. A. Gault Co.	265	12.40	10.56	11-13
5889	Premier Scratch Feed, Scobie & Parker Co., Pittsburg, Pa.	Everett, Calvin Howard,--	626	10.31	11.50	10.95
5980	Premier Scratch Feed, Scobie & Parker Co., Pittsburg, Pa.	Pittsburg, Scobie, Parker Co.	682	11.39	11.38	10.95

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 4.00	Per ct. 2.50	Per ct. 3.50	Per ct. 5.00				
				\$2 15	Wheat, oats, barley, Kaffir corn, buckwheat, corn and sunflower seeds, with not to exceed $\frac{1}{2}$ of 1 per cent. poultry charcoal.	As certified, -----	5927
4.11	-----	3.05	-----	2 00			
4.15	3.60	2.75	4.00	2 50	Made from natural grain, corn, wheat, Kaffir or milo maize, millet and re-cleaned broken grains of cereal plants separated from wheat, barley and flax screenings.	Corn, oats, wheat, Kaffir or milo maize, millet, screenings, separated from wheat, barley and flax, containing a large amount of weed seeds.	6122
3.83	3.60	2.40	4.00	2 50	Made from natural grain, corn, wheat, Kaffir or milo maize, millet and re-cleaned broken grains of cereal plants separated from wheat, barley and flax screenings.	Corn, wheat, Kaffir or milo maize, millet, screenings, separated from wheat, barley and flax and containing a large proportion of weed seeds.	5866
3.99	-----	2.57	-----	2 50			
3.80	3.60	2.75	4.00	2 00	Made from natural grain, corn, barley, wheat, Kaffir or milo maize, sunflower and re-cleaned broken grains of cereal plants separated from wheat, barley and flax screenings.	Corn, barley, wheat, Kaffir or milo maize, sunflower seed, screenings, separated from wheat, barley and flax, including a large amount of weed seeds.	5715
3.45	3.60	2.25	4.00	2 20	Made from natural grain, corn, barley, wheat, Kaffir or milo maize, sunflower and re-cleaned broken grains of cereal plants separated from wheat, barley and flax screenings.	As certified, -----	5865
3.63	-----	2.50	-----	2 10			
3.30	2.5-3	2.37	4-5	1 90	Wheat, Kaffir corn, buckwheat, corn, peas, millet, barley and sunflower seed.	Wheat, oats, Kaffir corn, buckwheat, corn, peas, barley and sunflower seed.	5467
3.95	4.10	3.20	5.85	60 00	Wheat, corn, barley, Kaffir corn, milo, buckwheat and sunflower seed.	Corn, wheat, barley, Kaffir corn, milo maize, buckwheat, sunflower seeds and linseed meal.	5889
3.73	4.40	2.10	5.85	36 00	Wheat, corn, barley, Kaffir corn, milo, buckwheat and sunflower seed.	Corn, oats, wheat, barley, Kaffir corn, milo maize, buckwheat, sunflower seed and linseed meal.	5980

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
5981	Premier Scratch Feed, Scobie & Parker Co., Pittsburg, Pa.	Pittsburg, Scobie & Parker Co.	683	Per ct. 10.25	Per ct. 11.31	Per ct. 10.95
		Average, -----		10.65	11.40	-----
6007	Excello Poultry Grains, Sherman Milling Co., Meadville, Pa.	Meadville, Sherman Milling Co.	709	11.51	10.75	-----
6016	Goverment Mash, George L. Siegel, Erie, Pa.	Erie, George L. Siegel, ---	718	8.72	18.25	16.00
6109	Snyder's Scratch Feed, Geo. S. Snyder Est., Hatfield, Pa.	Hatfield, George S. Snyder Est.	811	11.53	23.31	-----
5871	Dry Mash for Poultry, Spanogle-Yeager Milling Co., Lewistown, Pa.	Huntingdon, J. Stouffer,--	608	9.13	24.56	-----
5605	Spratts' Chicgrain, Spratts Patent (Am.), Ltd., Newark, N. J.	Williamsport, Gohl & King,	403	10.43	17.50	-----
5718	Steinmesch Mixed Feed, Hen Size, Steinmesch Feed Co., St. Louis, Mo.	New Castle, Marshall Bros.,	516	8.85	11.00	12.00
5719	Steinmesch Mixed Feed, Hen Size, Steinmesch Feed Co., St. Louis, Mo.	New Castle, Marshall Bros.,	517	9.25	11.63	12.00
		Average, -----		9.05	11.32	-----
6050	Suco Hen Feed, The Sugarine Co., Chicago, Ill.	Doylestown, M. E. Yost,--	752	11.37	11.44	10.00
5261	Excelsior Chicken Feed, Swope Bros., Johnstown, Pa.	Johnstown, Swope Bros.,--	61	9.94	10.19	8.00
5482	Victor Poultry Food, Victor Mills, Springville, N. Y.	Ridgway, Smith Bros. Co.,	280	12.82	10.63	-----
5788	White Oak Chick Feed, The White Oak Milling Co., Inc., Holsopple, Pa.	Somerset, John G. Emert,	558	11.13	11.31	11.00
5789	White Oak Scratch Feed, White Oak Milling Co., Inc., Holsopple, Pa.	Somerset, John G. Emert,	559	10.22	11.25	11.03
6048	Chick Feed, M. E. Yost, Doylestown, Pa.	Doylestown, M. E. Yost,--	750	10.33	13.13	-----

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct.	Per ct.	Per ct.	Per ct.				
3.61	4.40	2.10	5.85	\$34 50	Wheat, corn, barley, Kaffir corn, milo, buckwheat, sunflower seed and grit.	Corn, oats, wheat, barley, Kaffir corn, milo maize, buckwheat, sunflower seed, linseed oil meal and grit.	5981
3.76	-----	2.46	-----	43 33			
4.00	-----	2.95	-----	34 00	Cracked corn, wheat, buckwheat, oats, Kaffir corn, sunflower seed and oyster shell.	As certified, -----	6007
5.05	4.50	8.35	9.25	1 90	Beef scrap, alfalfa meal, oil meal, oats, corn bran and shorts.	As certified, -----	6016
3.50	-----	4.42	-----	1 85	Wheat, cracked corn, oats, sunflower seed, buckwheat, millet and Kaffir corn.	As certified, -----	6109
5.70	-----	6.65	-----	2 50	Mill feed, corn products, beef scraps, oil meal and alfalfa meal.	As certified, -----	5871
4.53	-----	3.92	-----	3 00		Corn, oats, wheat, peas, hemp seed, Kaffir corn, rice, millet, canary seed, flaxseed, meat, charcoal, oyster shells, grit and considerable proportion of weed seeds.	5605
3.43	3.00	3.12	6.00	2 25	Made of field grains and field seeds.	Corn, oats, barley, wheat, Kaffir corn, peas, bird millet, grit and a large amount of bindweed.	5718
3.13	3.00	2.80	6.00	2 65	Field grains and field seeds.	Corn, oats, barley, wheat, Kaffir corn, milo maize, rice, flaxseed, grit and a large amount of weed seeds.	5719
3.28	-----	2.96	-----	2 45			
3.18	3.00	2.97	5.00	2 10	Corn, wheat, barley, Kaffir corn, linseed oil cake, sunflower seed and buckwheat.	As certified, -----	6050
3.03	2.00	5.62	8.00	2 00	Corn, Kaffir corn, buckwheat, wheat, oats, barley, sunflower seed, milo maize, grit and oyster shells.	As certified, -----	5261
3.25	-----	4.05	-----	1 90	Mixed grains, -----	Corn, oats, barley, wheat, buckwheat, Kaffir corn, sunflower seed and a small amount of chaff and weed seeds.	5482
3.15	3.04	1.43	2.76	2 50		Corn, oats, wheat, rice and Kaffir corn.	5788
3.68	3.05	3.07	3.43	2 20		Corn, oats, buckwheat and Kaffir corn.	5789
3.08	-----	2.27	-----	2 50	Cracked corn, cracked Kaffir corn, cracked Canada peas, cracked wheat, pin-head oat meal, cracked rice and millet.	As certified, -----	6048

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
6049	Perfection Mash Feed, M. E. Yost, Doylestown, Pa.	Doylestown, M. E. Yost,---	751	Per ct. 7.82	Per ct. 16.25	-----
6047	Yost's Life Saver Little Chick Food, M. E. Yost, Doylestown, Pa.	Doylestown, M. E. Yost,---	749	9.71	12.38	-----
ANIMAL BY-PRODUCTS.						
6143	3 Medal Poultry Meat, The Berg Co., Philadelphia, Pa.	Elizabethtown, E. H. Lehman.	845	7.18	59.25	50-55
5292	Poultry Meat, Berg & Co., Philadelphia, Pa.	Lancaster, John W. Eshelman.	90	8.33	52.93	50-55
5951	Darling's Pure Ground Beef Scraps for Poultry, Darling & Co., Chicago, Ill.	Oil City, Oil City Milling Co.	667	5.64	55.00	55-65
5291	Ground Beef Scrap for Poultry, The Fritz Co., Philadelphia, Pa.	Lancaster, John W. Eshelman.	89	7.62	45.44	50-55
5487	Beef Scrap, Model Milling Co., Buffalo, N. Y.	Warren, T. N. Dunham,---	285	5.07	66.94	63.00
6041	Syracuse Cooked Meat Scraps, Syracuse Rendering Co., Syracuse, N. Y.	Corry, Acme Milling Co.,---	743	7.73	38.23	40-50
5738	Brehm's Beef Scrap, Waterloo Soap Works, Waterloo, N. Y.	New Albany, F. T. Mynard.	15	10.03	37.27	40-50
CONDIMENTAL STOCK AND POULTRY FOODS.						
5328	Blue Grass Matchless Egg Maker, Blue Grass Co., Harrisburg, Pa.	Latrobe, Latrobe Wholesale Grocery Co.	126	9.92	20.38	21.00
6076	F. P. C. Chick Manna, F. P. Cassel & Son, Lansdale, Pa.	Lansdale, F. P. Cassel & Son.	778	9.40	13.28	12-14
5372	F. P. C. Chick Manna, F. P. Cassel & Son, Lansdale, Pa.	Uniontown, W. S. Smith,	170	9.12	14.06	12-14

FEEDING STUFFS COLLECTED IN 1911.—Continued.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 3.70	Per ct.	Per ct. 7.52	Per ct.	\$1 85	Bran, alfalfa, charcoal, middlings, granulated corn meal, gluten, crushed oats, ground buckwheat, oil cake meal, beef scraps, oyster shell and $\frac{1}{4}$ of 1 per cent. salt.	As certified, -----	6049
2.45	-----	3.15	-----	7 00	Pin-head oat meal, granulated corn meal, cracked Canada peas, cracked wheat, fine cracked Kaffir corn, millet, nutrium salts, charcoal and fine cracked rice.	Pin-head oat meal, corn meal, cracked Canada peas, cracked wheat, cracked Kaffir corn, cracked rice, millet and charcoal.	6047
13.03	13-15	2.00	1-3	2 75	-----	Meat scraps, -----	6143
12.44	13-15	2.19	1-3	50 00	-----	Meat scraps and bone, -----	5292
10.55	10.00	2.80	2.50	4 00	-----	Beef scraps, -----	5951
14.68	10-12	0.97	1.00	50 00	Pure ground beef cracklings.	As certified, -----	5291
10.35	10.00	1.85	-----	3 50	-----	Beef scraps, -----	5487
11.98	8-12	1.23	-----	3 00	-----	Meat scraps, -----	6041
23.80	15-20	1.19	-----	3 00	-----	Beef scraps and bone, -----	5738
6.85	6.11	3.25	4.07	*0 50	Medicated corn, wheat, oats, bone, beef scraps, millet, alfalfa, juniper, elm, ginger and petrol.	Corn, wheat, oats, bone, beef scrap, millet, alfalfa, juniper, elm, ginger, petrol and small amount of weed seeds.	5323
4.53	4-5	1.77	2-3	6 30	Special prepared corn, oats and wheat middlings, crackers, gentian, ginger, chalk, aniseseed, ferrous sulphate, salt, sulphur, starch, meat and bone.	As certified, -----	6076
3.66	4-5	1.77	2-3	10 00	Special prepared corn, oats and wheat middlings, crackers, gentian, ginger, chalk, aniseseed, ferrous, sulphate, salt, sulphur, starch, meat and bone.	As certified, -----	5372

*Per package.

TABLE VII.—ANALYSES OF SAMPLES OF

Chief Chemist's number.	Name of Feeding Stuff and Name and Address of Manufacturer or Importer.	Sampled at	Agent's number.	Moisture.	Crude Protein.	
					Found.	Guaranteed.
6080	F. P. C. High Grade Poultry Mash Food, F. P. Cassel & Son, Lansdale, Pa.	Lansdale, F. P. Cassel & Son.	782	Per ct. 8.91	Per ct. 20.31	Per ct. 17-18
6083	F. P. C. Success Chick Feed, F. P. Cassel & Son, Lansdale, Pa.	Lansdale, F. P. Cassel & Son.	785	10.08	11.38	11-12
5445	"Chickseat," Champion Manufacturing Co., Barto, Pa.	New Brighton, M. H. Stager.	243	9.37	12.44	12.00
5682	Conkey's Laying Tonic, The G. E. Conkey Co., Cleveland, Ohio.	Wilkinsburg, Johnston & Smith.	480	9.27	5.31	-----
6129	Little Giant Stock Food, Little Giant Food Co., Newark, N. J.	Ambler, J. Watson Craft,	831	9.50	21.69	21-28
5689	Pratt's Conditioner for Horses and Cattle, Pratt Food Co., Philadelphia, Pa.	Monongahela, D. E. Gamble.	487	8.52	11.50	-----
6114	Pratt's Egg Producer, Pratt's Food Co., Philadelphia, Pa.	Chester, John Thompson,--	816	7.60	12.19	-----
6113	Rust's Egg Producer, William Rust & Sons, New Brunswick, N. J.	Chester, John Thompson,--	815	5.75	17.94	-----
5978	Premier Egg Food, Seobie & Parker Co., Pittsburg, Pa.	Pittsburg, Seobie & Parker,	680	6.87	43.75	-----

FEEDING STUFFS COLLECTED IN 1911.—Concluded.

Crude Fat.		Crude Fiber.		Price per ton or cwt.	Certified Composition.	Identified by Microscopical Examination.	Chief Chemist's number.
Found.	Guaranteed.	Found.	Guaranteed.				
Per ct. 5.63	Per ct. 4-5	Per ct. 9.87	Per ct. 10-12	\$1 80	Bran, alfalfa meal, corn meal, oats chop, middlings, cake meal, beef scraps, charcoal, gluten, cottonseed meal, salt, sulphur, gentian, sulphate iron and ginger.	As certified, -----	6080
3.10	3-4	2.22	2-3	2 00	Kaffir corn, corn, cracked wheat, steel cut oat meal, bone, millet, aniseed in powdered form to give odor.	As certified, -----	6083
4.43	2.00	1.87	2.00	3 33	Dried bone meal, dried beef and bone, baked and kiln dried rolled wheat, calsite, cracked wheat, hominy, sulphur, foenugreek and ginger.	As certified, -----	5445
7.08	-----	28.72	-----	*0 25	-----	Gentian, pepper, sulphur, charcoal, Epsom salt, iron oxide, sodium carbonate.	5682
9.25	9-12	17.10	14-15	20 00	Sterilized meat meal, sterilized bone flour, sterilized ground blood, C. P. charcoal, imported German fennel seed, imported French gentian root, imported African foenugreek seed and imported Spanish licorice root.	As certified, -----	6120
5.60	-----	18.10	-----	5 00	-----	Wheat, flaxseed, buckwheat hulls, foenugreek, foxtail, bind weed and salt.	5689
6.50	-----	10.62	-----	20 00	-----	Oat middlings, oat hulls, flaxseed, pepper, Venetian red, sulphur, calcium carbonate and small amount of weed seeds.	6114
4.09	-----	5.72	-----	25 00	-----	Bone meal, small amount of meat scrap, sulphur, pepper and oyster shell.	6113
2.44	-----	9.58	-----	25 00	-----	Linseed oil meal, dried blood, foenugreek, sulphur, calcium carbonate, potassium nitrate, sulphate of iron, charcoal and salt.	5978

*Per package.

